

SEQUENCE LISTING

<110> King, Gordon E.
 Meagher, Madeleine Joy
 Xu, Jiangchun
 Secrist, Heather

<120> COMPOSITIONS AND METHODS FOR THE THERAPY
 AND DIAGNOSIS OF COLON CANCER

<130> 210121.547

<140> US

<141> 2001-07-31

<160> 1789

<170> FastSEQ for Windows Version 4.0

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 544, 560, 627, 635

<223> n = A,T,C or G

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caagtgaag aggaggggac tgatagagtc actctcccct tgaacatcag gcaactcttt 300
caaaccagtt cccaagtgt caacctggaa agttgctctg cttccaggag gaaccttact 360
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caanactgct tctctatan ctgatgttac tttctcagt tccatctcta tgctttgaag 600
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<211> 373

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<213> Homo sapiens

<400> 2

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0950303650

caatTTTTgt ttgtgtTTTT tgttgttgaa gagaggaaca tTTaaggagt tagataaaact 180
 ggtaatTTTc agatgtgtag aaaattgcat aggtggtgaa agccaatgcc ataggctctg 240
 aaatTTTact atttcttaca tcaggaaatg tgtacaaaaa gtgctaaaat gccagaata 300
 atTTtgagta tctaaagata gataaatctt ttcactctgag tggaaatggc attatgactt 360
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<210> 3
 <211> 642
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> 541, 598, 621, 639
 <223> n = A,T,C or G

<400> 3
 gtgctgtgtg taagtggaga acttggggat agaggaggaa gctcctcgtg gcccttccaa 60
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 tggctgaca tggtttctct ctgtcttcta gtctagacct agtttttttg ttctgttccc 300
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<210> 4
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 492
 <223> n = A,T,C or G

<400> 4
 ctggaagcca gttccagaa gaccaaactg catgccccaa tcgccaaggt aatttattct 60
 tattacttga tgtcctaaag cttctttgag atTTgtata aaatttccta tgatggtaga 120
 acgcaaagt ccaacatgaa atTTtttggc aacattaggt gaactgaatt caaccacaat 180
 cttcttctgg ggaagtccag agaaaagttc actttttaat ccatatTTtg agccatcttc 240
 aattacttgt ttagcactg tctttgttaa gagctctctg tttatTTtga aatttacagt 300
 cctttgacca gtactgatt cactcaccac tgtatcacat cttagcttct ctgctagtct 360
 cttggcttga acttgaatat ctggtcttga atggtcattg tctttttcca ataaagaatc 420
 cacagaaagc tgaaaatcag ctacttcttc tttttgggaa attggaactg cagatattga 480
 tgtgatcaag tnttctggtg gaagattcaa cactctggaa agctggcaag caatagcgcg 540
 gcgaaagccg cagccatgt ccacctctac gggaa 575

<210> 5
 <211> 558
 <212> DNA

090300 00000000

<213> Homo sapiens

<400> 5

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caagaaaaag cggatggtgg ttctgctgc cctcaaggctc gtgcgtctga agcctacaag 60
aaagtttgcc tatctggggc gcctggctca cgagggtggc tggaagtacc aggcaagtac 120
agccaccctg gaggagaaga ggaaagagaa agccaagatc cactaccgga agaagaaaca 180
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tgcgttgctt gcccttcctc cattgttgcc ctggaatgta cgggaccacg gggcagcagc 360
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agtcactgcc tcccgaagtt gcttgaaagc actcggagaa ttgtgcaggt gtcattttatc 480
tatgaccaa taggaaagag caaccagtta ctatgagtga aaggagacca gaagactgat 540
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<210> 6

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 24, 301, 306, 375, 430

<223> n = A,T,C or G

<400> 6

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ctatgagctg aaagaagaca agagctacaa tgtcacctcc gtctgttta ggaaaaagaa 120
gtgtgactac tggatcagga cttttgttcc aggttgccag cccggcgagt tcacgctggg 180
caacattaag agttaccctg gattaacgag ttacctcgtc cgagtgggtga gcaccaacta 240
caaccagcat gctatggtgt tcttcaagaa agttttctca aacagggagt cttcaagatc 300
nccctntacg ggagaaccaa ggagctgact tcggaactaa aggagaactt catccgcttc 360
tccaaatatc tgggnctccc tgaaaaccac atcgtcttcc ctgtcccaat cgaccagtgt 420
atcgaccggn tgagtgcaca ggtgcgggca g                                     451

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<210> 7

<211> 555

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 293, 469

<223> n = A,T,C or G

<400> 7

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gcatatttaa tgcacacatt tgaatgttac acataaataa ttttaacgat ggagtccaag 60
ttctggattt tacattagat ctgcatatat aagacacttg tgggtcaaatt tcaagattgg 120
taaagccagt ttcaagctgc ttatattttg agtacagggt tcactattac aaatgtatga 180
tggttaaacta acaaactcat gaccttcaaa gatgtcttcg tcccacgcac acacatttgt 240
aatttgtgtc catttgctat ttcccttctt ctataatctt caaattatat agntatgcat 300
tgagttccct atgcatctca cccatctcct ttatctcagc cttctcatac tttgccattc 360
tcttctttct ggaaataacc agcacaacaa ttccagcaac aactgctatc accacaacca 420
caataacagg caataacacc agcttttaga ccctgcattg agaattcang tgctttttca 480
tcaacataat aaattaaagt ttgaccagga tccagatcca gttgttcccc atttactgtc 540

```

555

<213> Homo sapiens

<223> n = A, T, C or G

cccttttctt ctctctgtgg tggagaacca cagagta 277

<213> Homo sapiens

$\langle 223 \rangle$ n = A, T, C or G

taaacacttg naatcttaaa agtgggnattg tgtgactttt tcanaagttg cttt 474

<213> Homo sapiens

$$\langle 223 \rangle \quad n = A, T, C \text{ or } G$$

cttctcatga actcaccatt ccaaacgatt tgattggctg cataatcggg cgtcaaggcg 240


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<210> 11
<211> 606
<212> DNA
<213> Homo sapiens
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<400> 11						
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tacaacctgg	aagaagaatg	tgaggctctc	ctggaaagat	gcaaaaacca	tctcagatcc	120
aaggggccaa	gatcacaagg	tcttgctgct	acctgagggg	tctgaagctt	tgagggcagg	180
ggctggggag	tcacaatcct	gtgaggcagg	gagaggggaag	agtcacaaac	ccaactcagc	240
gctattcttt	agccctaggc	gctttcactc	ctcagtgccc	tagaagtcac	cagtaggtgt	300
caactgggca	gacaagggac	aggaagacag	ggatggccca	gggcttttta	cccgtttggg	360
tttangcccg	tttctccatt	aagggatgca	gaggcagggg	tggagtgagt	gaatgaatga	420
gtcacatctc	canaacagca	ggaaggaaca	gcctctgctg	gcaatgacag	ttccccagat	480
gagatccctg	gggctctgaa	aggggaanggc	aagattcccc	cccccaaatg	ccccgggatt	540
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qccqgc						606

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<210> 12
<211> 549
<212> DNA
<213> Homo sapiens
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<220>  
<221> misc_feature  
<222> 34  
<223> n = A,T,C or G
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gcgaaagatg	cctttctagg	aagcagagct	ccctgactgg	gctaagatag	ttcagattga	180
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gccccaaagca	gaatggagac	ggatagagtg	gtggctccca	gaatcccga	gaacataagc	300
agtgagaacg	agccctggcg	catacacttg	tatccatgga	aaccatcagc	acaaacacac	360
tgcaaaaagac	ctggaccatc	aggtacacaa	gatccattct	caggacacat	ttctgggtcc	420
ccagtgttat	tgcaaagggt	cttttgcctt	tgacagattt	ggttgtctat	ataagagggtg	480
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ggaagctgaq						549

<210>	13
<211>	723
<212>	DNA

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gcctctgctt	gcctcctact	gcacactcag	cacccaggac	tggaatcacc	gactactgaa	120
tctcctacat	gtattgctgc	tacttcaagc	tcttcacatt	gaaaccttat	gattttccca	180

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aggggagatg ggacagtgtc atctaaatat tccgaatgtt tggccttctg agaaaagagc 240
ttctagtaat tgaaccatgg gaaacccagc ttctggaggg ttggccgtgg ggctgtgtac 300
atgtgtgtgc ccaggggtga gtgtttctca ggattcctaa cgattcaaat taccgttgag 360
tatatataaa gaatgagtct ctgtatggaa gaacaaatgt gtgcattcac cccagtcac 420
aatggctctcc attgcatttc aaaggagagg atcagactat ctgaatataa acacaatctg 480
atgttaattt attctaagaa caccatcatt ttgattgtcc taaagaattc tgcctttgtg 540
aataccgtgt taaatttttt t                                     561

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<210> 16
<211> 592
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 40
<223> n = A,T,C or G

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<400> 16
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accataacag caagggtctt gttatgatgc tgaaagtcta agtgaaacat ctcatcttgt 180
aaccatttag ccacacagct agacatttga gtcttttagt gctcaatgta ttcattccgt 240
ggggtagtaa aattccactt tagcaccttc aatccttttt catctttcat cctttgctct 300
tttccatttg gaacaacaat aaaaataggc ccggatttgt ctctatcctc ctttaagctg 360
gttttgcttg gcatcttctt cccttggtgca ctctttgctt tagaggataa tcctggagct 420
ttggcctttt ttggatcagg tttgggttct gtaactgctg aaataacaatc ttcagcaggt 480
gctgatgcag gctggaattt ggctggagcg gaccctccca ttgggtttaga agttgcttta 540
gtgggtggag caggcttggc tggcatgtta actttggctt tctctagcat gg          592

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<210> 17
<211> 459
<212> DNA
<213> Homo sapiens

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<400> 17
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ttgctctggt gatattgtgt cagataggta tagtaggaga caagcagcta caagacaaga 180
tctcccaagt cctccatagc agtgtattaa ggtttttcgg taatttttaa ggcaggttgt 240
aagctcttcc attatttcac agcagctggc tatgtcagga gtccctccat ctgcgattgg 300
atgatgatgg gtgataattc cacattgctg gtagagatcc agaaggtttg ggactctata 360
ttttgacagt tcccctctgg tgcagaaaac aaatatgtct tgtataccac agctcttttag 420
ttcttctgta tctttttgga catttcttct aacatcttt                                     459

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<210> 18
<211> 104
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 54, 74, 88, 94
<223> n = A,T,C or G

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<400> 18
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 gggcttcacc aatnccatcc caaaacangg tcanacactg ccca 104

<210> 19
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 430
 <223> n = A,T,C or G

<400> 19
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 atttgctcgc cactgcatcg ccaagtccca ggagcgagtg gaagggaaaag tgcaggtgtc 120
 cgtcctcaag ggccagggtg acatcctcgg ccgggagtc ccactgtctc tctacaatga 180
 ggagctggtg agcatgaacg tgcaggggtga ttatgagcca actgatgcc aagggttcac 240
 caacatcaat tccttcaggc tgaaggaata tcatcgtctc cagagcaagg tcaactgcca 300
 atagaccgt gtacaatgag gagctggggc ctctcaatt tgcagatccc ccaagtacag 360
 gcgctaattg ttgtgataat ttgtaattgt gacttggtct ccccggtgg cagcgtagt 420
 gggctgccan ggccccagct ttgttccctg gtccccctga agcctgcaaa cgttgctac 480
 gaaggaagg gtggggggca g 501

<210> 20
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 20
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 ccattgcatt cagccccgtc tcccagtcac cacagtctgg tttcttgata tcctgaagga 120
 agattcggcc acctcgttgg ttctgcagct tcatcagttt ctacagcatgt tccctctcct 180
 catgagattg gtgaagaaag tatttggcaa agttcttcaa agccacatca tcgcggtcaa 240
 agtagtaaga catgggcagg taaacgtagg aggcgtagag ctccaggttg atctggcgg 300
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 tc

<210> 21
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 21
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 ctgttgccgg atgacccta tgagaaagct tgccagaaga tgatcttaga gttgttttct 120
 aaggtgccat ccttggtagg aagctttatt agaagccaaa ataaagaaga ctatgctggc 180
 ctaaaagagg aatttcgtaa agaatttacc aagctagagg aggttctgac taataagaag 240
 acgaccttct ttggtggcaa ttctatctct atgattgatt acctcatctg gccctggttt 300
 gaacggctgg aagcaatgaa gttaaatgag tgtgtagacc aactccaaa actgaaactg 360
 tggatggcag ccatgaagga agatcccaca gtctcagccc tgcttactag tgagaaagac 420
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<220>
<221> misc_feature
<222> 598
<223> n = A,T,C or G
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<400> 22							
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tgttataaatt	gataggatac	atcttggaca	tgggaattgtt	aagccacctc	tgagcagtg	360	
atgtcaggac	ttgttcatta	ggttggcagc	agaggggcag	aaggaattat	acaggtagag	420	
atgtatgcag	atgtgtccat	atatgtccat	atttacattt	tgatagccat	tgatgtatgc	480	
atctcttggc	tgtactataa	gaacacatta	attcaatgga	aatacacttt	gctaataattt	540	
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ttcattttt						608	

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<220>  
<221> misc_feature  
<222> 638, 663  
<223> n = A, T, C or G
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<400> 23							
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acaggcaa	tctttttgcc	tcagtttttt	catcctaata	atgaagaata	tcttatttgc		120
tttggagggc	tataagacat	gatgagatat	aataaacata	aggcactgag	atacatcata		180
gacactta	tggtgttagc	tattatatta	cttatcttag	ggttttcctt	catgggtattt		240
tggtggaa	gataaaaaaa	taaaacaaat	atgtaagggc	ttgtaaaacc	caagattcag		300
tatacctact	gcttctagct	ttaattctag	gctctgccat	agttaggatg	tttactcatc		360
tgtagttcaa	aactcacaca	gctcaagact	gacacagctc	acaattcaga	agtcatgtag		420
gcacctcaca	gcctcgttcc	ttgcccagtc	tccaaactca	ctccttcctt	gactgtgttt		480
ctaatactca	ggctagagga	cagcaggctc	tagccttctc	attatgtata	taatgagaat		540
actgtatttc	atttaggcc	gaggaaagta	gacacatata	atctgagaat	aattttattcc		600
taggctatag	gaatctacca	tgagcttatt	caatggangg	acttgaggaa	aagcacacc		660
acnaaaatca	atgcattacc	ttaactttaa	taagcttctg	cggattcttc	tcctaccccg		720
gt							722

```
<210> 24
<211> 556
<212> DNA
<213> Homo sapiens
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<400> 26						
ctgtaaggaa	cttcacccgg	atgaaattga	caccgactnt	gcctacattc	ttttctatga	60
gcagcagggg	atagactatg	cacaattttct	gccaaagact	gatggcaaaa	agatggcaga	120
cacaagcagt	atggatgaag	actttgagtc	tgattacaaa	aagtactgtg	tgttacagta	180
aagctaccac	tctggctgct	agacagcttg	gcggtgaggg	agatgactcc	ttgtagctga	240
catttggcaa	aagcgtcact	gaaaggcaag	ctaaatgtag	ttattttatc	ctgtggccct	300
gaagcacaaa	ataaaaaattc	taattaaaat	agttaacttt	aaagtagta	atcattttat	360

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tttgaagtct catacaagct ctccgataga gaactttcag gcagatccca ccattagcct 420
gtaaacaaaa ggtttggcac cagccacctg ggaccaata agaattcaat tgtgcttgtc 480
cagatatgaa caaatatgta gtgagtatag agtttaccat aatcataaca aatattaaag 540
atttccttgg agtcaaagta aaaaacaaac aattataatg ttgtctangg acgacatgat 600
atgctcctnc ttttccctga agttttattc atttatattga caagatggag aaagcaagat 660
cacgaaggng tgccaatgat cttaagnatg gccaaaggatt ttcatttat 709

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```

<210> 27
<211> 689
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 605
<223> n = A,T,C or G

```

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<400> 27
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tgcaagataa atttcagacc atgtctgacc agatcattgg gagaattgat gatatgagta 180
gtcgcatgtg tgatctggaa aagaatatcg cggacctcat gacacaggct ggggtggaag 240
aactggaaaag tgaaaacaag atacctgcca cgcaaaagag ttgaagggtt ctaataattt 300
atactggaat ctggcatttt tccaagccaa gagaagatcg aatggctttt tgcagctaac 360
tactatgtgt agacagggtt tatattataa agtatgcatt cttatcacct agtatatagt 420
tagtttgtag agtgatttcc ccccagtttc ttgaacatgg tatcttcaca tcttggacct 480
tggtcagttg tgctattcat tattaaacac taaaactttg gcggttcttg cataacattg 540
tcagattttt tagtgatttt ctgtgaagtc attttttttc ttgtcattcc ttttgtagta 600
gttgntgttt ggataaaaagt tgatgtgtga ttttttatta acaaatagta acccttcaat 660
tatagttagt ctttgggtgaa ataagatgt 689

```

```

<210> 28
<211> 619
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> 578, 595
<223> n = A,T,C or G

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<400> 28
ccagtggacc agggagttgg gggctgcaag cagggctgct gcggcgagag agctgctgaa 60
gtcgggtggct cggggcgagg tgccgcgcc aggggtctcc cgccattatt tcctcaggca 120
tgtggcgctc tagtagaatt aatcaaaagc aagaaaatgg ctggaagagc tgtcttgttg 180
gcaggacctc ctggaactgg caagacagct ctggctctgg ctattgctca ggagctgggt 240
agtaagggtc cttctgccc aatgggtggg agtgaagttt actcaactga gatcaagaag 300
acagagggtg tgatggagaa ctccgcagg gccattgggc tgcaataaaa ggagaccaag 360
gaagtttatg aaggtgaagt cacagagcta actccgtgtg aggcagagaa tcccatggga 420
ggatatggca aaaccattag ccatgtgatc ataggactca aaacagccaa aggaacccaa 480
cagttgaaac tggacccag catttttgaa agtttgcaga aagagcgagt agaagctgga 540
gatgtgattt acattgaaag ccaacagtgg gggccgtnaa agaaggcaag ggccanggtg 600
gaatacccta tgcccacca 619

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<210> 29
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 29
 cctgaatgct cagtgcctta tttggctttc aggggtcttg cgggtgcacc caggctagag 60
 tacagtgggtg caatcatagc tcaactgctgc ctcaaactcc tagactcaag cgatcctcct 120
 gcttcagcct cccgagtagc tgggactaca ggtagatgat gggctccacg ggaacagagc 180
 aaacgttcgc tcctgctcct acacgggtgtt tcctctaaac ctgagggtca gccgacttgt 240
 catcacttaa aacccaattc agagcggggg gcaactgccag tgaatagtgc atcaccgact 300
 cagtttcccc atgtgtatgc tgtggtattg gatcagcaac gagataagaa gatctctccc 360
 atttccaagc gtctatgatg attctgaggc acaagggtcac atttgacagt actaggaaac 420
 ccaggaaaca agaagcaagg atgacaaagg ctgtgtctgc ctgggcagac gatctatttg 480
 gacaagataa tagaccagc catggacatg ctctccaaga aagatgcctt gacag 535

<210> 30
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 345, 415, 416
 <223> n = A,T,C or G

<400> 30
 cctgcagcct acctgaccat ctcttttagct gtcaccaaga aaataaacc cactgtctct 60
 ctagcttggc ccttgtcttt cccttgcccc tgccatagca tgttcattag gggattcctt 120
 cctccccctt atctcacagg ggaagggaga ggaagaggtt gttctccac tggaggggt 180
 tctgccttct gaggtgacat ccaggaagct gtccccattc ccttctcctt tagatgctag 240
 aaacacattt tgattctgat catgggggtgg gggagagagg aaaggagggg ggggagaagc 300
 ccagcagaag ctgagccagg cagaggggaa agaagctgat atgangaagg gtctgacagg 360
 ccacagcctt tgcagccgga gggctttccc acactcaaga gaggggcctt acagnnctc 420
 tgacaccctt ccccttccc ctcgctcctt ttgttg 456

<210> 31
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 31
 ttggacccaa gagaagactg cagcagacta cacagtactt cttgtcaaaa tgattctcct 60
 tcaagggtttt caaaaccttt agcaciaaaga gagcaaaacc ttccagcctt gcctgcttgg 120
 tgtccagtta aaactcagtg tactgccaga ttctgtctaaa tgtctgtcat gtccagattt 180
 actttgcttc tgttactgcc agagttacta gagatatcat aataggataa gaagaccctc 240
 atatgacctg cacagctcat ttctctctg aaagaaacta ctacctagga gaatctaagc 300
 tatagcaggg atgatttatg caaatttgaa ctagcttctt tggtcacaaat tcagttcctc 360
 ccaaccaacc agtcttcact tcaagagggc cacactgcaa cctcagctta acatgaataa 420
 caaagactgg ctgaggagca gggcttgccc aggcattggtg gatcaccgga ggtcagtagt 480
 tcaagaccag cctgg 495

<210> 32
 <211> 648

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 434, 604, 622
<223> n = A,T,C or G

<400> 32
tggcagccaa aagatttttc ttagtgcttt ggagacattg cataggtgta aaattaagat 60
accagaactt cattctgttc ttgttgaagc tgttggtgtg gtgattcatg agcagtaagc 120
tggagttaga gtggaagaag ggtttaccaa aattcttctt acagactagt tgcttacagg 180
gtttctttga gaggcctaaa aatttcaaaa gtattattta agccactcta accctgcatg 240
aaaaattgga gttagaaata ctgatttctg agaccacgta taccagtga aattagcttc 300
tgagtaaatt tctaatttat gccctgcctt atttagcctc gctatatgta acacatggat 360
tattttttcc ctctagtttt taactatata ctagattaaa accagcatat gctaagaatg 420
tttttacatt ctgnttcctc ctgtgatctt tctgaaccaa taataaacag tcaactgtga 480
tgcttttttag tatgaacaat gataagtttt ctaaaatctg aaaatcaata cctgagtatg 540
tgatgccggc aatgcattct tctagataag cactaaacca aagtatggac cctccattta 600
ttgnttttaa gatttaccce cncgcgggcg ggccgcttag gggccgaa 648

<210> 33
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 39
<223> n = A,T,C or G

<400> 33
aaacatgagt agatctatga cttctcaaag ccgggtcang aatgtccata aaatgctagg 60
cattcctatt tccaatattt tgatggttgg aaattatgct tcagatttgg aactggaccc 120
catgaaggat attctcatcc tctctgcact gaggcagatg ctgcccggctg cagatgattt 180
tttagaagat ttgcctcttg aggaaactgg tgcaattgag agagcgttac agccctgcat 240
ttgagataag ttgccttgat tctgacattt ggcccagcct gtactggtgt gccgcaatga 300
gagtcaatct ctattgacag cctgcttcag attttgcttt tgttcgtttt gccttctgtc 360
cttgaacag tcatatctca agttcaaagg ccaaaacctg agaagcgggtg ggctaaaaaa 420
agggcctact gcaaaccacc cctccatatt tccgtacat ttacaattca gtttctgtga 480
catcttttt 489

<210> 34
<211> 501
<212> DNA
<213> Homo sapiens

<400> 34
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tgcagaagac gatgcagccg cttttctttt tgaaatgact ttgggatttt ttttaagcttt 120
tatttacttt ttttttaact gttatctttc tggatgaaac ttgggaaggg gattaggaga 180
tctagcattt tatttctagc attgctattc accggcttcc ttattttata tgtaaaaaatt 240
aagattttat attttatctt cttgtttctc atagatattt tgtgagcatt tttttgttta 300
ttttgaagaa atgtggataa gatacttggg agtataaaac agactctctg agagtatttg 360

aaatgtgttt ggagatttac ttaaactgtac tttcaggagt gagcaagtcc tacttataaa 420
 cctatattaa ctttattttt gagataacctg ttttgaattt acctgccccg ggcggccggc 480
 taagggcgaa atctgcagaa t 501

<210> 35

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 477, 529, 543

<223> n = A,T,C or G

<400> 35

ttgaatgaat taatgatggc ttctgagtca actttactgg ctcaggaacc acgagagatg 60
 actgcagatg taatcgagct taaagggaaa ttctcatca acttagaagg tggatgatt 120
 cgtgaagagt cttcctataa agtaattgtc atgccgacta cgaaagaaaa atgcccccg 180
 tgttggaagt atacagcgga gtcttcagat acactgtgtc ctgatgtgc agaagttgtc 240
 agtggaaaat agtattaaca gctcactcga gcaagaaccc tcctgacagt actggctaga 300
 agtttgatg gattatttac aatataggaa agaaagccaa gatttaggta atgagtggat 360
 gagtaaatgg tggaggatgg gagtcaaaat cagaattata gaagaagtat ttctgtaac 420
 tatagaaaaga attatgtata tatacatgca gaaatatata tgtgtgtgtg tatctgngga 480
 tggatatatg tatatctctt cctatatata tccatagtgg acttattcng aacatagata 540
 tgnattcagg cttgtctt 558

<210> 36

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 416, 445, 467

<223> n = A,T,C or G

<400> 36

aaagaataaa catttaatgt gagtaacatt ttggttaaaa taaatatcat agtaaatggt 60
 aacagcaaca cctgaagtat atggatacaa gaaaggtggt ttgtaataga tactatgttg 120
 aatggtaaag cattcatgaa atggctgtaa tatcttacta aatttacaat cattgcacat 180
 tgttgagcac tttatttata tagagatacc cttcatccac cattcctaaa cttaccata 240
 caaaacaaag ttactccata ttttcacctg ggtaactggt accaatgtct aaataagggt 300
 tagaatagat atagctttca ttttactgct cctcaaatca attcaaaagt ttaacttaat 360
 caatataaaa tttacttatg aacacatata aagaacattt tataggtgac tatatnaatt 420
 acgagcttca aatcatcttc atagntcttt gaaattattc cattcanaat tagaaatttg 480
 attgttacac a 491

<210> 37

<211> 593

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n = A, T, C or G

aaatcacttc	tatcttctgt	acttaagaac	tcaagtatag	aaataaactg	tgggctgaag	60
taacattgta	acctgctccc	aacatgactg	catagggtgc	taagggttaag	tgtgaagatt	120
actgtgagga	ctcaagttac	ttgactaatc	aatcccattt	gaatttcaat	ccaagcagcg	180
tattttacac	acacctgaag	gaaatatctt	cagtgtgttc	atgtgtgtgt	ctatgtgcat	240
gtatgtgtag	gggataagg	taattagggg	agggtgacc	gaacaacatt	gataagtaca	300
tgctagaagt	ctgctgttgt	tggtaacaca	gaaacataca	cagtcttcat	attcaaagtc	360
ttcaagggga	tgtcttctgt	aatttccgcg	gtttgggtct	cattcagaaa	cagcttttagc	420
ttcctgctcc	gaaggccaaa	caccttggtc	gcttcataca	gaagaccttg	gtgggtgagt	480
ccattctgcc	caagtgggtt	ttcaagcagg	agagtgccca	ctgtcccat	taaacactct	540
tgtggctctg	cattcaggag	ctgtaggttg	gaccttttaa	agctgaagag	tgn	593

<211> 649

<213> Homo sapiens

<221> misc feature

$\langle 223 \rangle$ n = A, T, C or G

ccagtatcgt	tttggtaactt	ttgtacctct	atctgactcc	atgccctgc	aagtgtaaaa	60
ccaagagaca	gaaaaatatg	ctacacccaaa	gcaatgccca	ttcatcgatt	ctcagtcctg	120
gccctgctag	tgatgcctcc	gctgatgaac	ggaaggcagg	tgcaggtaaa	agagtgggtg	180
ttttggaacc	cctgaaggat	gctgcagcag	ggcagaacgg	gaaagtcagg	ctctttccca	240
gcgaggcagt	gatagctgag	ggcatcctaa	agtccacgag	ggggaaatct	gactcagatt	300
cagtcaattc	agtgttttct	gacacacctt	ttgtggcgctc	cacttaattt	gtgcctatat	360
ttgtatgatg	tcataattta	atctgttcat	atttaacttt	gtgtgtggtc	tgcaaaataa	420
acaggcaggc	agaaattgtg	ttgttttgtt	ctttgaaata	caaccaaatt	ctcttaaaat	480
gattggttagg	aaatgaggta	aagtaacttca	gttcctcaat	gagccagaga	aagatggggt	540
tgttttccaa	agtttaagtt	ctagatcaca	atatcttagc	tattgacct	attggttaatt	600
tcagaqtagg	cccaaangtg	atatgactcc	cattgncccc	tttatttta		649

$\langle 211 \rangle$ 312

<213> Homo sapiens

ctgaagaaaa	agcagtcatc	gattttaagt	ccaatgggca	catttatgac	aatcggatag	60
ttctgaatgg	catcgacctc	aaagcatttc	ttgatagtct	accagatgtg	aaaattgtca	120
agatgaagtg	tctgatgga	ggagacaatg	cagatagcag	taacacagct	cttaatatgc	180
ctgtttattcc	tatgaatact	attgcagaag	cagttattga	aatgattaac	cgaggacaga	240
ttcaaatatac	aattaatgga	ttcagtatta	gcaatggact	ggcaactact	cagatcaaca	300
ataagcctgc	aa					312

<211> 386

<212> DNA

<220>

 $\langle 222 \rangle$ 34, $\bar{40}$

<400> 40

<210> 41

<212> DNA

 $\langle 220 \rangle$

$\langle 222 \rangle$ 95, $\bar{1}19$, 126

<400> 41

<210> 42

<212> DNA

<400> 42

<210> 43

<212> DNA

 $\langle 220 \rangle$

<222> 304, 306, 326, 329, 357, 370, 434, 436

$\langle 223 \rangle$ n = A, T, C or G

<400> 43
 aaaaagcctc ttctgatga tcccaactca gaattcactg tttaccaaac accttgggtca 60
 taataatgtc attagtttct ccatttttat tttctgaact gtacattcac aacttatgtt 120
 tctttgagat taatagatat tgggagaaaa acgccttttt aggaaaatta tagtgaaaat 180
 ttgacagttg attggcataa tttcttggtt gaatgctgcc tccattatat aggtccttcc 240
 aagaactcaa acactgtaag tgaaatatgg gagtatagtt tttattattt cttcttttcc 300
 tttngntttc ataataataat gcaggntgnt caggaaatca gcacaaagcc tgatagnact 360
 ttactaaaaan gactgcattc tttggattcc ttcaagtcta tggttcaagt cactaaagat 420
 tcatttttgt tgantnctta ttgagaaaca acaagt 456

<210> 44
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 44
 ccaagagcta caatgagcag cgcacagac agaacgtgca ggTTTTtgag ttccagttga 60
 ctgcagagga catgaaagcc atagatggcc tagacagaaa tctccactat tttaacagtg 120
 atagttttgc tagccaccct aattatccat attcagatga atattaacat ggagagcttt 180
 gcctgatgtc taccagaagc cctgtgtgtg gatggtgacg cagaggacgt ctctatgccg 240
 gtgactggac atatcacctc tacttaaate cgtcctgttt agcgacttca gtcaactaca 300
 g 301

<210> 45
 <211> 706
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 34, 35, 39
 <223> n = A,T,C or G

<400> 45
 aaaaaataaa tgattatgat gtaattatta cttncagng tgTTTTgcaa taacttcaac 60
 ctgttaagag atacaaagaa ctatatataa ctgggaacta caataacgta cacagaaccc 120
 tcttcaaaga aattaaatat attagatggt aaaatgtggt agaaagatgc agctttccca 180
 aagtagtaaa gtactgcaca tatgggtttt gtggcagtc ttggaaatat cctaggtaga 240
 acttaatgta gaaataaaaa ggctaccaca ttttttcaat ccaagtcatt tttacaagaa 300
 aaaaaaagtg acacaaaata atgcacttta agttggtagc atacacaagg ttatttttta 360
 gcctaacata gacaggccaa atcattgaaa taaaaaaaat atagaaaaac ataaaagccc 420
 attaaacttct gaatttttggg aaagaaacaa gaaagagccc aaagttttca gataggcaca 480
 cataatttag attagaaatg aaaatgggct ttaagcccta taaatattgt tttccaagaa 540
 aataagtttt gaaagtgcaa aatgacaact caaaaaggte ccctttccac ctcatgcagg 600
 caaaggacat ttaaaagcac atccaactaa atcaaaaaag gggaggatta ggaaatcaca 660
 ctagttcatc cttcattatc agggctgggc ttcaaaccct tgaatg 706

<210> 46
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 46

atttattttct attaaaaatat agaagttatt gcaaaaccct aactgtaaaa acgcaccaat 60
 ataatcggac ttgcatata gtagctaaga gaatccaaac atttcagtga gacagtgaat 120
 ttgcctggta gaacgctgac aaattcccat ccacttgccc tcttgaaaat aaaaacaaaa 180
 ttcaaaacaa atcatacagc tagaattttg atatctgaaa tattttt 227

<210> 47

<211> 342

<212> DNA

<213> Homo sapiens

<400> 47

gtctccacgc tgtgctgaga gggctctagc ccctcagtcg gacttctcct tctccttcat 60
 gtgcaagaag acgatgctga agatgaagag cccagcctc atggagaagg cgctggcgta 120
 gtaggggtag gccgagggga tgaagcgctc atactgcgtg tgctggagtg gccgcacgga 180
 tacctgagtg gaagagtaca ggtgtgtgta gcctagccgg ttgtaatcca ctttaaactg 240
 gaatacacca tacacgctcg gcaacttgaa ctgaacactg tatttgccac ctttcttctt 300
 caggaaggtc ctcacaaaag gatcaatgcy gacaaactcc ag 342

<210> 48

<211> 203

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 17, 26, 38, 52, 98, 120, 125, 149, 160, 163, 182

<223> n = A,T,C or G

<400> 48

ggataatatt catttancct tctgancttt ctgggcanac ttggtgacct tnccagctcc 60
 atcagccttc ttgtccactg ctttgatgac acccaccnca actgtctgtc tcatatcacn 120
 aacancacct ccgcccgaac cacactaang gcgaattctn canatatcca tcacactggc 180
 gnccctcca ccatgcatct aga 203

<210> 49

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 3, 9, 33, 36, 42

<223> n = A,T,C or G

<400> 49

ttngccggna gtacttgaga tccacagtca cgngancttt gncggctctt ttacatctgc 60
 ccacttcatt ttcatcttt ccttcccaca caatggtttt tccaatgtgc aagaatgatt 120
 tctcgacaaa ttcccggaca ctatggacct cccagtagc tataacgaag tcctccggct 180
 catcattctg caacatcaac cacatagcct ccacatagtc cttggcatgg ccccaatctc 240
 gtttggcatc cagatttccc aaactgaaac attccagttg tccaaggtaa atcttagcta 300
 ctgaccggct aatttttcga gtaacgaaat tagctcctct tctgggactc tcatgattga 360
 agagaat 367

<210> 50

<211> 685
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2
 <223> n = A,T,C or G

<400> 50
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 gaaagtgaaa gtgttttctg tccgtggaac atcctttgat gctgcagcaa caagtggcgg 120
 tagtgccagt tcagaaaagg catcaagtac ttcaccagtg gaaatatcag agtggccttga 180
 ccagaaatta acaaaaagtg atcgaccaga gctaacagggt gccaaagtgg tggatatctgg 240
 tggtcgaggc ttgaagagtg gagagaactt taagttgtta tatgacttgg cagatcaact 300
 acatgctgca gttggtgctt cccgtgctgc tgttgatgct ggctttgttc ccaatgacat 360
 gcaagttgga cagacgggaa aaatagtagc accagaactt tatattgctg ttggaatata 420
 tggagccatc caacatttag ctgggatgaa agacagcaag acaattgtgg caattaataa 480
 agaccagaa gctccaattt tccaagtggc agattatgga atagttgcag atttatttaa 540
 ggtagctcct gaaatgactg agatattgaa gaaaaaatga atcaggatca tgccttaaaa 600
 agaaaacttt tgttaaaagt attccacttg aaatcacaga tatttgtggg tattataacc 660
 aatcattgga aaagcatgga gagct 685

<210> 51
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 51
 ntttgtccgg caccctgccc acaggetgag ctcagcccca ggccctttca ggcattctaga 60
 cactcccata gcctgtcggg ctggggcaag gagatccag gtcacacata ctctttggaa 120
 gagttggact tagggttaaga gcggggtgca cggtagccag ccttgctctc attcccagga 180
 caggaacagg agagcagtgc acctcccagg atgactaggg cagaccctgc ccagccaata 240
 aagatggcag ggccaaactc atacttaatg ttggtaggga tcaaagggtt ataaaagtct 300
 gtgacaatct gatgg 315

<210> 52
 <211> 358
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35
 <223> n = A,T,C or G

<400> 52
 tgcattccaca gacttcaact acatgattac ttctntgccc attctttctt ttcttttctt 60
 tcccgaataa cctctttcag atacggttca aggtagaat tttctcttc atatttggtc 120

cactgctctt taggcaagat ctgatgcttc aagttcaggt ccagtgcctt cttaatgcga 180
 aacatcctgt cattataaag gttctcagga agtcttctta tggcttcttt tacatcttca 240
 tcctcgata ttgtatcatc tcgcattaac cccagtttat tgaatcctgc agcattgtaa 300
 taccattttc gaataccatc cagccacttg cctgatgctg aaacggcctg cttaccag 358

<210> 53

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 36, 41

<223> n = A,T,C or G

<400> 53

ccaagagatc agcacaacct ttgcaggctg acttgntaag nctgacagtg acaaacttgt 60
 gagcttactg cagtcagtca cagaggctgt tctttttcac acaccccttc atgcccggct 120
 ttccccatat ccacatgcag agggcgagct cataaaacta caggggaagcg tgaaatgatg 180
 gctttggtag ctgtttactg ggttaaccca ctgtgacact gtccttttca cgtgatgtgg 240
 aaacctactt ctgtcctcca aacctgaaa tgtgtcatct agactgcaga gtacttgagt 300
 gctttgcctc ccgatatgcc agagcttggt gtccaaagcc cattcctgtg tgtccgtcct 360
 gccatttagc cacagaaggc tgcggagtga ggcggcagct agcctgg 407

<210> 54

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2, 37, 43

<223> n = A,T,C or G

<400> 54

cnacaaacag acctaaaatc gctcattgca tactctncaa tgnagccaca tagccctcgt 60
 agtaacagcc attctcatcc aaacccctg aagcttcacc ggcgcagtca ttctcataat 120
 cgcccacgga cttacatcct cattactatt ctgcctagca aactcaaact acgaacgcac 180
 tcacagtcgc atcataatcc tctctcaagg acttcaaact ctgctccac taatagcttt 240
 ttgatgactt ctagcaagcc tcgctaacct cgccttacct cccactatta acctactggg 300
 agaactctct gtgctagtaa ccacgttctc ctgatcaaat atcactctcc tacttacagg 360
 actcaacata ctagtcacag ccctatactc cctctacata ttaccacaa cacaatgggg 420
 ctcaactcacc caccacatta acaacataaa accctcattc acacgagaaa acaccctcat 480
 gttcatacac ctatccccc ttctctctct atccctcaac cccgacatca ttaccggggt 540
 ttctctctcaa aaaaaaaaaa aaaaaaaaaa a 571

<210> 55

<211> 473

<212> DNA

<213> Homo sapiens

<400> 55

tcttagcggc tgctgttggt tggggggcgt cccgctccta aggcaggaag atgggtggccg 60
 caaagaagac gaaaaagtgc ctggagtgcg tcaactctag gctccaactc gttatgaaaa 120

0920300.03403


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<210> 56
<211> 396
<212> DNA
<213> Homo sapiens
```

<400>	56						
tgctggcagt	aactggcaag	aagacaacaa	gaccctagtn	ctggttccaa	tttaggtggt	60	
ggatgatgacc	tcaaacttcg	ttaattaata	gcacaacaga	tgtgtgctgc	ccatctttac	120	
atacacattg	cttctagtgt	gcagaaataa	ttgattaaaa	gaccagaaac	tgtgataact	180	
ggaggtacta	cggctctattt	ctcaacctta	ggcagtaata	gacatcacaa	actgccatgg	240	
ttttgcacta	tgattataat	acctgcattt	ctaatttttt	aagcatgtag	ccagtaataa	300	
tttgaagttt	tttttctatg	caagcttacc	ttgttggcat	tatttttaggg	agttgaaact	360	
atcaactqta	aagctccttt	tcttccactt	taattt			396	

```
<210> 57
<211> 500
<212> DNA
<213> Homo sapiens
```

<400>	57						
ctgcccccca	cccttccttt	cgatgacaac	gtttgcaggc	ttcaggggga	ccaggggaaca	60	
aagctggggc	ctggcagccc	cactacgctg	ccagccgggg	agaacaagtc	acaattacaa	120	
attatcacaa	caattagcgc	ctgtacttgg	gggatctgca	aattgaggag	gccccagctc	180	
ctcattgtac	acgggtctat	ttggcagtga	ccttgctctg	gagacgatga	tattccttca	240	
gcctgaggga	attgatgttg	atgaaccogg	tggcatcagt	tggctcataa	tcaccctgca	300	
cgttcatgct	caccagctcc	tcattgtaga	gagacagtgg	ggactccogg	ccgaggatgt	360	
acacctggcc	cttgaggacg	gacaccgcga	ctttcccttc	cactcgctcc	tgggacttgg	420	
cgatgcagtg	gcggacaaat	tcacactcag	ggctgtgcca	gaaaccggta	tacaccagct	480	
cagcaaattt	caagcccagg					500	

```
<210> 58
<211> 258
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 258  
<223> n = A,T,C or G
```

<400> 58
ctgcctcaca ccgcccccttg tgctgcctc atagggtgtct atttggaactc taagctctac 60

```
<210> 59
<211> 529
<212> DNA
<213> Homo sapiens
```

<400>	59						
ctgtanactt	gacctcaaag	attccatcct	caatagtgag	gattgacaca	tcaaaagtgc	60	
cacctcccag	gtcaaagatg	agcacgtttc	tttctgctcc	aacctttttg	tctaagccgt	120	
aagcaatagc	agcagcagtt	ggctcattaa	taattctaag	tacattgaga	ccagcaatag	180	
ttccagcatc	tttggtagcc	tgacgctgag	agtcattaaa	gtaagctggc	actgtgacca	240	
cagcattggg	aacagtcctt	ccaaggtagg	cttctgcaat	ttccttcatc	tttgtcagaa	300	
ccatagaaga	cacctcctct	ggatagaagc	ttttggctct	tcccttgat	tctacttgga	360	
ccttgggcct	gccagcatca	ttcaccacca	taaagggcc	atgtttcata	tcagactgga	420	
caacagcatc	atcaaactctg	cgtccaatca	gacgtttggc	atcaaaaact	gtgttggtgg	480	
ggttcattgc	aactnqattc	tttgcgqcat	caccgatca	accgttcaa		529	

<400> 60						
aaagtacaaa	atcaaataca	cagatccagc	agatccagat	atgtgaacca	tatatacata	60
tctatacaac	cattatttag	acttttcāca	acctatctat	acatttcta	ttatctatca	120
acactatccc	ttaagtaaaa	agcaacatat	ctcttaagta	ggtttggtat	cagtaacact	180
atcgaatgta	aattattttc	acttcatcac	ttgaaacgg	agaaataggt	acctcctaga	240
aactggagaa	ttaccaagca	tatatccaat	ttgtatagat	ttcttaaaat	acatttctata	300
ggaataatta	accgaagaaa	ctgccaatca	aagtttttgg	gcataatttaa	caaaaacttga	360
gtcatgggaa	gacataaaagt	taattaattg	cattacaaga	gttttggttt	gactttgggt	420
tt						422

```
<210> 61
<211> 486
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 378, 461, 463
<223> n = A,T,C or G
```

```
<400> 61
cctacagact tattttcttct tggacacacc cacggtgcgg ccacggcggc cagtggctctt 60
ggtgtgctg cctcggacac gaaggcccca gaagtgaagc agccctctat gggcccgaat 120
```

```
<210> 62
<211> 228
<212> DNA
<213> Homo sapiens
```

```
<210> 63
<211> 475
<212> DNA
<213> Homo sapiens
```

```
<210> 64
<211> 448
<212> DNA
<213> Homo sapiens
```

```
<210> 65
<211> 329
<212> DNA
<213> Homo sapiens
```

aaaaatctca	aatgaaaaag	tcttcgatac	aatattgtta	agctgtatta	taagtattgt	60
tacacagggt	tatgcaattc	ccggcctgga	gcatttttga	aattcaaatt	gtctgtcctg	120
tgagcaggc	agtgattttg	ttccaaaact	ttgtatacac	atttgagaa	aagtacttta	180
tattttcagt	gttttgtctg	attttaatgt	ccgttcttag	ccaagctgct	agcagggtgt	240
aattggatcc	ctttccttca	ctgaaatgga	agagtttata	agcttacgtt	agtattgtaa	300
tatgtaaaqt	aagcccaaca	aaaattttt				329

<213> Homo sapiens

aaacagattc	ttggactggg	ggttcataac	catcagctcg	ttcaacttta	gcacctgtct	60
cgtccccagt	ggcttttcca	gaactactgc	cttcaccatg	aagctccatg	agctttccca	120
attcaaaact	gggcttcttc	agcattttta	cttttctgac	gaagacatca	tggagaggat	180
aaatagattg	gcaagccttt	tctatgtctt	ttccaatgct	gtctggaatc	aattttattga	240
ccacttcttt	caagtcattt	gtctgcacct	ctcgggtcat	gatttccatc	atcttcttcc	300
ggatttggcg	gacctgttgg	tgctgagcat	aagaggctct	ccgtatctga	ttgttgcggt	360
ttttaagtaaa	accaacacag	aacagacgaa	gcaagtaacc	atcggtagtc	ttgac	415

<213> Homo sapiens

atacgccagc	ttggtaccgc	agctcggatc	cctagtaacg	gccgccagt	tgctggaatt	60
cgcccttgcc	gcccgggcag	gtcctgaagg	aagagctggc	ctacctgaag	aagaaccatg	120
aggaggaaat	cagtagcgtg	aggggccaa	tgagggccca	ggtcagtg	gaggtggatt	180
ccgctccggg	caccgatctc	gccaaagatc	tgagtacat	gcgaagccaa	tatgaggtca	240
tggccgagca	gaaccggaa	gatgctgaag	cctgggtcac	cagccggact	gaagaattga	300
accggagagt	cactgg					316

<213> Homo sapiens

ttctgctcca	tgacagattt	cacctgggtcc	ttcaacagag	gaaggggtccc	cttctccagg	60
gcctcagcca	caaactgctg	ctcttcagac	agctctagca	gggcatccag	gaagtccaga	120
atggcttttg	cacgcgcttc	taccaagacc	ccagcagcat	taaaaaggct	gcttaggaga	180
ggcttgctg	ggctctccat	gtgtagctcc	ccggaatca	ggacctcaga	tactctttgc	240
tctagatcct	gccgaatata	ctccttgccg	aggcacttag	cgagggagtt	tagcacatct	300
tttctcttct	cctctgtcag	gtccttgagg	acactctcca	tgtcctccaa	cttctccttc	360
atgtttctgg	aatcctccga	acccaaagac	tttctgttag	aggcagcaat	tgagaacctg	420
ggccaccacag	cccaaaagggt	tttatttcta	aggctctggt	atttgtctga	ctgtcttctg	480
gagaccacct	ctttgtatct	tcccttc				507

<212> DNA

<400> 69

<210> 70

<212> DNA

<213> Homo sapiens

<400> 70

gttttaccct	ttctaaacac	tgtccttttt	gaaagttttg	aatatatcca	cattctattg	60
aaaccttgaa	actaaaaatt	tagactctta	tcgtcatctt	aagttcttca	tgctactctt	120
aacctcccaa	aaagcagtat	ctaagtcaca	tacatgatgt	cttgggcatt	ttctgagcca	180
tggagaactc	tgaaaggaag	aatcgctgct	tttctcaagc	aaatcggttt	cttgatgtct	240
tttggttctc	cttgctgct	cctgatgctt	ggaccccttt	tattgatcag	agtgctctag	300
aataatggat	ggtcttggat	gatggataaa	tagggacagg	gacagttaaa	ttgggagcct	360
ttcttacaac	cttgatggga	tttttcccc	caagtttctt	tctccactga	aatgccacac	420
taatgcttgt	tggattcatg	aggtggacct	gcccgggcgg	ccaagggcga	attctgcaga	480
tatccatcac	actg					494

<210> 71

<211> 294

<212> DNA

<213> Homo sapiens

<400> 71

ctgcttcaag	acctcagctt	catgggactt	gcgtctttct	tctgcagctt	ctaatttctt	60
ctgaatttcc	tccaggga	gatccttctt	ctttggaggg	gaaaggggga	attctggaac	120
agattctttt	gaccgagggc	tgagaatcag	ctcaaaagcc	tggcctgagg	cacgcttctc	180
cagttctttc	acctggatat	cagaagaagc	catggtgaat	agaagacaag	cgacaggcag	240
tgtattctgc	acaatcaact	gggataagga	aagtctctgt	cagtccgagc	cgcc	294

<210> 72

<211> 329

<212> DNA

<213> Homo sapiens

<400> 72

aaatttgacc	aaaaaaaaatt	tattgtacaa	ttaccaccca	ctggatttga	ctcagagagg	60
acccccagag	ggtgtctcca	tcttcacctat	ttatttttcag	cccttgaggg	cttcattgta	120
gatcaaaagc	aaggctcccc	ggaaggtgac	atactcctgg	aagttcacct	ctcggtcctt	180
ggtccggtcc	aagctctcca	tcagccttgc	aatttcagca	tctgcagct	cctgaccaat	240
ggtgagctcc	ttctggatca	gctccttcag	ctccttcttg	ctcagggtgt	gcttgtcacc	300

ctccctgccg gactacttgt ggaagatgg

329

<210> 73

<211> 527

<212> DNA

<213> Homo sapiens

<400> 73

```

aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcacagccc tgctgaacag ttcctttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaacaagc ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggg ctcatccgaa ccctgcggat gtatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cttttctgtt accccaccat ttgtcaaccc 480
ggagcctctt ttttttctt ccaagaaggc tgagttctac attgatg 527

```

<210> 74

<211> 221

<212> DNA

<213> Homo sapiens

<400> 74

```

aaaattttta ttggctagct cttgccctta tatgacttta atgtctgtga gtcattccca 60
gcttaaatta acaattgtta gtattagtct cacacataag tgccatacat tttatcctca 120
tggatgtgat gcaactgaaa gttagtgtct ctctttttt cttttttttg tcgtgcatat 180
tttattttctg tagttttctg ttagctaccc taaagtgatt t 221

```

<210> 75

<211> 312

<212> DNA

<213> Homo sapiens

<400> 75

```

cgccagcttg gtaccgagct cggatcccta gtaacggccg ccagtgtgct ggaattcgcc 60
cttgccgccc gggcaggtcc tgaaggaaga gctggcctac ctgaagaaga accatgagga 120
ggaaatcagt acgctgaggg gccaagtggg aggccaggct agtgtggagg tggattccgc 180
tccgggcacc gatctcgcca agatcctgag tgacatgcga agccaatatg aggtcatggc 240
cgagcagaac cggaaggatg ctgaagcctg gttcaccagc cggactgaag aattgaaccg 300
ggaggtcgct gg 312

```

<210> 76

<211> 334

<212> DNA

<213> Homo sapiens

<400> 76

```

ctggcaagag acttctgag gcacatcagc tacgttggtc aatttagggc acggtctggt 60
tctgcagctt tgaaagggtg attctttcta ttagcacact ttacaagagg gattgtaaag 120
gattaactca gtcaccagaa acgaaacacc acttcagaaa ttcagagacc tctgatcaac 180
agaacagaca tttgggcttt aactgctaaa gcagctacct acttggggaa accatggcat 240
tctgctgcct ggacagcagg aattaagaga gatttcagag ttactggcac gaggacaaag 300
cctctcagct cgcttcacct tggcaacctt aaac 334

```

<210> 77
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 77
 aaaatccctc aaaaactggt tattatacaa gtgagttttg agtcacgatg ggcttatcgg 60
 taggattttct ggtagcgcagc gcgggcacca gggcctccaa actttttgga ctgcgcagcga 120
 cgagggtcag ctaccagcag ggtccggtca tactggatga ggatgtcttt gatctccttc 180
 ttggaagcct catccacata tttctggtaa taggccacca gggctttgga gatggactga 240
 cggatagcat aaatctgggc cacgtgacca ccacccttta cacggacacg gatgtctaca 300
 ccagcaaadc gctccttgcc gagaagcaga actggctcca gcagcttgta ctgtagcgtg 360
 cgcggctcaa tcatctccag gggccgcccg ttcaccttga tgagaccatt gccgcgtttg 420
 cagtgcgcca cag 433

<210> 78
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 78
 aaaatcttga gggattgata tcgcctcatg acagcaagtt caatgttttt gccacctgac 60
 tgaaccactt ccaggagtgc cttgatcacc agcttaatgg tcagatcacc tgtttcaatg 120
 gcttcgtcag tatagttctt ctccaggaaac tcgcgcactg acttggcacc ccgacctatg 180
 gcattggcct tccaggcatg gtatgtgccc gaggggtcag tctgatagag cctaggagtg 240
 ccatcaaagt cgaaacccac gatgagggca gagatgccaa acggcctgcg cccattgctc 300
 tgcgtataac gctgcttcag actggcgatg tagcgggtga tgtactccac agtgaccggg 360
 tctccacag tcagccggtg gctctggcac tccaccggg ccctgttgat gactatcctt 420
 gcacggcgcg tgagg 435

<210> 79
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 399
 <223> n = A,T,C or G

<400> 79
 ctgtgccata agagcattag gtggttttag ctcttatctg gggatatgaaa gcaatttagc 60
 tcatctcaca gaaacaaaag cagggtgctga atcatgaaaa cctcaattat ttttagcatg 120
 cctcttaatt tttctttccc ctggtttctt tgcgtctgtg cttgattctt gaacaggtaa 180
 ccacttgaga ggatgccggc gatagatggg ccatggagga agtgtcagca aacatgaaaa 240
 agcaaatacc gccataacta tatagacagt ccaccggaac tgttcagcca cgtaccgcta 300
 gataaatcca actattgcag aaaaaagaat aattccctga aacatctgtt cagctagctt 360
 ctggcccttg taatccatct gcgtgggcag cgagctcana tgctccagca tggctggctg 420
 aggagg 426

<210> 80
 <211> 38
 <212> DNA

<213> Homo sapiens

<400> 84
 ctgaaccaga tcaaaaaccc cattgagaaa catggggcca acatgggtccc catcaaggat 60
 tacgagaaca agaactccaa aatgtctaaa ataaggacac acaattctga agtagaagag 120
 gacgacatgg acaaacacca gcagaaagcc cggtttgcca agcagccggc gtatacgctg 180
 gtagacagag aagagaagcc ccccaacggc acgcccagaa aacacccaaa ctggacaaac 240
 aaacaggaca acagagactt ggaaagtgc cagagcttaa accgaatgga gtacatcgta 300
 tagcagaccg cgggcactgc cggcgtagg tagagtctga gggctttagg ttcttt 356

<210> 85
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 319, 327
 <223> n = A,T,C or G

<400> 85
 ccgccatcac accctggact cctgcagggg aggacacacg gaggtggaca actgcagata 60
 cacttactcg gagtggcaca gttttactca gcccgtctt ggtgaagaat ccattagagg 120
 acacactctg attaaaaatt aaacaatgaa agaaagtgtg tctgtgtaat caagatgaaa 180
 atcacaagca tgcccaagac tatgtcctga catataacta tgaaggaaga ggatcggtgg 240
 ctgggtctgt aggttgttgc agtgaacgac aagaagaaga tgggcttgaa tttttggata 300
 atttggagcc caaatttang acactancag aagcatgcat gaagagatga gtgtgttcta 360
 ataagtctct gaaagccagt ggctttatga ctttt 395

<210> 86
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 86
 ctgtaggaac tactgtccca gagctgaggg aaggggattt ctgaggtcat ttggagaaca 60
 agtgcttttag tagtagttta aagtagtaac tgctactgta tttagtgggg tggatttcag 120
 aagaaatttg aagaccagat catgggtggg ctgcatgtga atgaacagga atgagccgga 180
 cagcctggct gtcattgctt tcttcctccc catttggacc cttctctgcc cttacatttt 240
 tgtttctcca tctaccacca tccaccagtc tatttattaa cttagcaaga ggacaagtaa 300
 agggccctct tggttgatt ttgcttcttt ctttctgtgg aggatatact aagtgcgact 360
 ttgccctatc ctatttggaa atccctaaca gaattgagtt ttctattaag gatccaaaaa 420
 gaaaaacaaa atgctaatag agccatcagt caagggtcac atgccaataa acaataaatt 480
 ttccagaaga aatgaaatcc aactagacaa ataaagtaga gcttatgaaa tggttc 536

<210> 87
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 87
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
 ggtattaggg ataattttca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240

```
<210> 88
<211> 512
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 475
<223> n = A,T,C or G
```

<400> 88						
ccaacacctt	ccgtggcctt	actcagctcc	agactctgat	actgccacaa	catgtcaact	60
gtcctggagg	aattaatgcc	tggaatacta	tcacctctta	tatagacaac	caaatctgtc	120
aagggccaaa	gaacctttgc	aataacactg	gggaccacga	aatgtgtcct	gagaatggat	180
cttgtgtacc	tgatgggtcca	ggtcttttgc	agtgtgtttg	tgctgatggg	ttccatggat	240
acaagtgtat	gcgccagggc	tcgttctcac	tgcttatgtt	cttcggggatt	ctgggagcca	300
ccactctatc	cgtctccatt	ctgctttggg	cgaccacagc	ccgaaaagcc	aagacttcat	360
gaactacata	ggtcttacca	ttgacctaa	atcaatctga	actatctcag	cccagtcagg	420
gagctctgct	tcctagaaa	gcattcttgc	ccagtggatt	cgcttcaagg	ttgangccgc	480
cattggaaga	tgaaaaattg	cactcccttg	gt			512

```
<210> 89
<211> 419
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 326
<223> n = A,T,C or G
```

```
<400> 89
ccaaccttcc tgtgcccgag ctgcagacag gtggcctctg gtggttccag gatctcacgg 60
tatccgatcc catctacata ttaccactgg cagtcactgc tacaatgtgg gctgttcttg 120
agctaggtgc tgagacaggt gtgcaaagtt ctgaccttca gtggatgaga aatgtcatca 180
gaatgatgcc cctgataacc ttgcccataa ccatgcattt cccacaggca gtgtttatgt 240
actggctctc ctccaatttg ttttccttgg tccaagtatc ctgtctccgg attccagcag 300
tacgcactgt acttaaaatc cccancgtg ttgtacatga cctggacaaa ttacctccac 360
gggaaggctt cctagagagc ttcaaaaaag gctggaaaaa tgctgaaatg acgcgtcag 419
```

```
<210> 90
<211> 364
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 152, 189, 190, 228, 275, 298, 325, 336
<223> n = A,T,C or G
```

<400> 90
 cctgggtgcg aagcatgttg gcttggccct tcacggctcct ggagggaggt gaggctggcc 60
 ttggaaggcg tgccctggag aggtccttggg tgaaaacttg accttgaaga aaccaatcac 120
 aaaagcgcg ttgggtcatg ggctaggctt anaggtgaag catcaacatg gaaccatctc 180
 aggaagccnn atcgctctt ccgaggctcct cacttccggg agcctgttct tgcaagatgc 240
 aatcatcggt cctgcttttt cattgtcatt aaatnctgta caaaccatt gtcattanct 300
 ccaagtgtaa atttgggtca agganacaga ataatnatgg gaatctcgga gttcgacacc 360
 atag 364

<210> 91
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 91
 ccttttactg cgtctatatt cctctaactt ccttaatgat caatcaaaaa aagtaacacc 60
 ctcccttttt cctgacagtt ctttcagctt tacagaactg tattataagt ttctatgtat 120
 aactttttta ctgt 134

<210> 92
 <211> 363
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 317
 <223> n = A,T,C or G

<400> 92
 ccaccatgga gaacaagggt atctgcgccc tggctcctggt gtccatgctg gccctcgga 60
 ccctggccga ggcccagaca gagacgtgta cagtggcccc ccgtgaaaga cagaattgtg 120
 gttttccttg tgtcacgccc tcccagtggt caaataaggg ctgctgtttc gacgacaccg 180
 ttctgtgggt cccctgggtg ttctatccta ataccatcga cgtccctcca gaagaggagt 240
 gtgaatttta gacacttctg cagggatctg cctgcatect gacgcggtgc cgtccccagc 300
 acggtgatta gtcccanagc tcggctgcca cctccaccgg acacctcaga cagcgttctg 360
 cag 363

<210> 93
 <211> 97
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 88
 <223> n = A,T,C or G

<400> 93
 cctgggtgat tgaggatgca atgagctgtg attgtgccac cacactccag cctgggcaat 60
 acagcaagac tgtctcaaaa aaaaaaanc caaaaa 97

<210> 94

05930300-03404

```
<220>  
<221> misc_feature  
<222> 244, 429  
<223> n = A, T, C or G
```

```
<210> 95
<211> 459
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 357, 370  
<223> n = A, T, C or G
```

```
<210> 96
<211> 230
<212> DNA
<213> Homo sapiens
```

<210>	97
<211>	535
<212>	DNA

<213> Homo sapiens

<400> 97

```

aaaattattc tcttctaacc aatgaagtgt ttgtcagtat gcccctaaagc ttgctctttt 60
gtgctccctt ttgaataact ttctatccag aaaaagagat tatttgggac ttgagatttg 120
cagtgatacc aacttatagc aatgatgtac tttaagggaa ctacccaact atgttgtgat 180
agaagaaaga gaaaccttca ctttggcatt ttttttaatc actgtttatt tttctgtttg 240
cggcccagga agcagtggga ggtgggtggc gatatgcttt gcataatgat tgttatgttt 300
ttatttgggc aagtttaatc atggaaaact caaaaagaag gggggaaatg gtcagtttaa 360
gccaaaagaa acttttctaa caatgtatag gtacacagca aaattaaaca aatccaacaa 420
tttctgaagc ttagtgtaat tgagtgggtg ttgttattca ataaaattat tcccaaaagt 480
gtttctccta agagtgcagt tcccatgagt cacttctga acccattgac caaag 535

```

<210> 98

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 252, 255

<223> n = A,T,C or G

<400> 98

```

aaaataaaaa aaaatttgca cttattcttc acaaaatctt cacttttga actatcccaa 60
ttgaagctac acactgaatt tattaatata gcattaagtt tctttgtgta aaaaaatctt 120
tgtacacagt aataaaaaaa gataaggcaa gatgcattaa acagaaacct tctggctctt 180
ttcctctgcg tttttacaga gccactgatg actatctgca acaaaagagt taagtttctg 240
attttccgta tnaan 255

```

<210> 99

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 162, 183, 315, 318, 324, 326, 357, 522, 571, 599

<223> n = A,T,C or G

<400> 99

```

aaataaaaaag agatccaaat caagatcctc actacccctt acccctcaac taacccctt 60
tagggccaca ttttcttctt gctcctaaga aaaaaatttg gaattttgaa tattctcggt 120
tttctgtgca cacctggaat tgggcaaagt tgttcagctc anccagcatt ttctgtagac 180
atnatcaaaa gcaggcactt ggggattctg ggctttgagt acaaaccacg gatcttgtgt 240
cagaaacaca tgttgagact cctccattcc ttccagaatt ttcagagatg aggtagaccc 300
acctcaatca tctnagnat cagntngcta aattgccagg ctcaatgaca agctctnctg 360
ccatctccaa gccactttt catagtctcg ctctgtcttt ggctgcagca ctttaggcac 420
tattctaagt cctggagtat atcactcttg cttcagagct aaataaacat taatgaacac 480
acttactcag aacaagtcac tggatagctg cccattgcaa gntacatact catgagatga 540
aagaggggaag ccattaaagg tcttcagagt ngacaatacc tagtcaagat gtggacctn 599

```

<210> 100

<211> 190

$$\begin{array}{ll} \langle 210 \rangle & 104 \\ \langle 211 \rangle & 507 \end{array}$$

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 209
<223> n = A,T,C or G

<400> 104
ccactgcact tcagcctggg cgacagatct agacccatt ctaaaaaaaaa acaaaaaccc 60
caaaccaca cccacgaaag ggtaatgttg gcaagaagtt ggggtgcagag gtctactggt 120
gaacatctgt ggggaaaagg tctaaggctg ggaagcgaga cgccagggtc cgatcctgtt 180
gtgtagttaa tttctggtgt ggtcttgant aagggtacccc acctttatct gtaaccatct 240
agtcagggtga tctcttttag cattccagtg cccgggctct attagagcta gttctaaggc 300
attcatactt ctgtcttagg gcgtttctgt ctttgatccc tcatccccag gtgctagtgt 360
atgagttgtt gggaaagggc tttcgagggg gtgggggcca atggaaggct ctgttgggac 420
ggcaccaggc gaggtgttga gttggctcgg ctcaagggtt ttcggggtgt gagctggcat 480
gaggacctgt tggaagtggg atccagg 507

<210> 105
<211> 553
<212> DNA
<213> Homo sapiens

<400> 105
ccatgaaagg cagctcttgc cgaatgcgcc gttcaattac tttgggggtac acgaccaatc 60
cttcagaaat gttctgcagc gtattcaata tagtatctgc ggtaagaaat gcctcggcca 120
aacagatccg tcgggttgga ctatcatcca gtgtgcgttc aaaccactgg acagatgctg 180
tctgtagcgg gtccatgaca agggtcacga ggtggcgggc aagactgcag caacgttctg 240
aacgcatggg attccgctta tatggcatcg cacttgagcc aatctgctgt ttttcaaagg 300
gttcctccat ctccctgagg tttgccagga ggcgatgtgc ggtgcaaate ttgtgcaactg 360
atgcccccaa gctagccagc acagacagta cttcaatate cacttttctg gtatatgtct 420
gccctgtgat gatgaaagct ctcttaaate ctgccttttc tgtcaccate ttgtcaagct 480
gctctacctt atggctcatc cctcaaaga gctgcaggaa actggcctga gtgccagtgg 540
taccctttac tcc 553

<210> 106
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 356, 585
<223> n = A,T,C or G

<400> 106
cctttccctg ccaggtctgg tgccctgccc acgttgtacc ggacactgga ttccctggacc 60
cccttctctt ttccctttct tccttcaggt cagcgagccc tgtactgtat ccagcaccac 120
agaaacctca gtgtttttcc tctgctggtt tggggcacia ggaagcctta gggatgggg 180
aaaggctgtt attacctaga gtttactccc aggcaggggg gctgccatct tcttcacaga 240
catccctgaa aggaagcccc tttggggcag ggaggtgagg acttcatctc aacatcggct 300
ggtggttggt aggggagctt tttcttttct ttcccttttt ttgtttttgt ttttgntttt 360
gtttttggta acatgttagg agttaatgtt gcaaagagta gtttacatct tcactttctg 420

```
<210> 107
<211> 167
<212> DNA
<213> Homo sapiens
```

```
<210> 108
<211> 280
<212> DNA
<213> Homo sapiens
```

```
<210> 109
<211> 516
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 19, 26, 33, 36, 41, 59, 62, 82, 89, 93, 107, 168, 171, 208,
224, 237, 238, 257, 260, 372, 384, 428, 432, 502, 516
<223> n = A,T,C or G
```

```
<210> 110
<211> 527
<212> DNA
<213> Homo sapiens
```


<400> 110

```

gggcacaatg ataaacatac tggctgttgt ggtgacaatg acccaattga tgtgtgtgaa 60
attggaagca aggtatgtgc aagaggtgaa ataattggcg tgaaagttct aggcattatg 120
gctatgattg acgaagggga aaccgactgg aaagtcattg ccattaatgt ggatgatcct 180
gatgcagcca attataatga tatcaatgat gtcaaacggc tgaaacctgg ctacttagaa 240
gctactgtgg actggtttag aaggtataag gttcctgatg gaaaaccaga aaatgagttt 300
gcgtttaatg cagaatttaa agataaggac tttgccattg atattattaa aagcactcat 360
gaccattgga aagcattagt gactaagaaa acgaatggaa aaggaatcag ttgcatgaat 420
acaactttgt ctgagagccc cttcaagtgt gatcctgatg ctgccagagc catttgtggat 480
gctttaccac caccctgtga atctgcctgc acagtaccaa cagacgt 527

```

<210> 111

<211> 580

<212> DNA

<213> Homo sapiens

<400> 111

```

aaatactatc acataaagca tgggtggagaa aagaaatfff gcttcataat tagaaaaact 60
cacaataaaa cttgccaaga aaaacaaaaa cgaaaaagcc atttgaaaat aaatacagtc 120
catgccaaag tagtataaaa tgaagccaga agtcttcaaa aagaaaaacat tttcctttca 180
atattttctt tttaatgatt ttctgaaatt ggtgagactg tcaaattcag gggttgctga 240
gctgtttctga tttggttcct ttggtatctg ttttttcacc actgttgtcc ttggatttat 300
cttcttctct aacgtctggt tttttgtcct ctgtttcttt cttatcttct tcaattctag 360
ctttctttgc tcctttctta tgatcagcca catttcttcg acctccttct ccttcactct 420
cagaatctga gaattcttca tcacaagcta tccgcttgct tgatgctcga atagaaattc 480
tcttgtctgg atcttctcca tcttcactct cactgtcttc atgaacagca tcttctggaa 540
tagcttgcat ctggacacca ggtgcatgag gtaacatgag 580

```

<210> 112

<211> 283

<212> DNA

<213> Homo sapiens

<400> 112

```

aaaagacatt tcagcttctt tactcagttc tgcatatata gtgcatcagt ctgttctctt 60
tgaccacaat tggaatacat ttcaagatgg taacagcccc atgaagtacc gctttaattc 120
cttgctggta atctaataga atcagattaa gaaaattaac acaattttac catttgacat 180
actcttcatt gaatttagtt tgtctaaaaat agtctcacag gtaaaaaaca taacaacaat 240
gaccaccatt gtctttgata catttatfff aattcttaag tgg 283

```

<210> 113

<211> 575

<212> DNA

<213> Homo sapiens

<400> 113

```

ctggaagcct ggaggagtca cctgaatfff ctggatcatcc aactcttctt cctgtggcac 60
caaagccaca aaataaggag ggatgttcct gcgggggtgtg tatctgcaca atgctgcaac 120
ctccttctcc agacacttga tgagcagagc actgaacagg gttgagctcc caatcaccag 180
cgactcctct gggtacacga acagggaggg cctcaggtaa tgggtgtttct tcagcagtac 240
caacggcttg aaacccatga gcatcaaacc tggatcatca aaccgtttta gctcttctgt 300
ttcctctttc tccagtataa tctgacgact cccatagatc tgagacctct tggatcgcct 360
aggcagaagc aaaccgcctg tacttgtatt aaaggtccgg gtcttggttt tcaactggttc 420
atttgtttcc cgatagagct ttattggagg aggccttgaga gccttctgga ccagattata 480

```

09920300 00E02550
 TCTE20 00E02550

```
<210> 114
<211> 314
<212> DNA
<213> Homo sapiens
```

```
<210> 115
<211> 304
<212> DNA
<213> Homo sapiens
```

```
<210> 116
<211> 454
<212> DNA
<213> Homo sapiens
```

```
<210> 117
<211> 380
<212> DNA
<213> Homo sapiens
```

```
<400> 117
ctgtcctgca gcaaacactc caccctccac cttccatttt cccccactac tgcagcacct 60
ccaggcctgg gtcccctgca acctcccatc aaaggatgac ccctaaacac agaggagcgg 120
ggcaggcagg ggggcaagga ctggagctac cttgcttggt gggggactgg gtacagttgg 180
caagctgtgt tccatcagc tccctgtcct cctttcttcc ctcgttattg atctatagac 240
```

```
<210> 118
<211> 651
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 492, 573, 639  
<223> n = A,T,C or G
```

<400> 118						
gcgagaatga	agactattct	cagcaatcag	actgtcgaca	ttccagaaaa	tgtcgacatt	60
actctgaagg	gacgcacagt	tatcgtgaag	ggccccagag	gaacctctgcg	gagggacttc	120
aatcacatca	atgtagaact	cagccttctt	ggaaagaaaa	aaaagaggct	ccgggttgac	180
aaatggtggg	gtaacagaaa	ggaactggct	accgttcgga	ctatttgtag	tcatgtacag	240
aacatgatca	aggggtgtac	actgggcttc	cgttacaaga	tgaggctctgt	gtatgctcac	300
ttcccatca	acgttgttat	ccaggagaaat	gggtctcttg	ttgaaatccg	aaatttcttg	360
ggtgaaaaat	acatccgcag	ggttcggatg	agaccagggtg	ttgcttgttc	agtatctcaa	420
gcccagaaaag	atgaattaat	ccttgaaggaa	aatgacattg	agcttgtttc	aaattcagcg	480
gctttgattc	ancaaagccac	aacaggttaa	aacaaggata	tcaggaaatt	tttgatgggt	540
atctatgtct	ctgaaaaaagg	aactgttcag	cangctgatg	aataagatct	aagagttcct	600
ggctacagaa	aqaaagatgcc	aqatgacact	taagacctnc	tttgtatatt	t	651

```
<210> 119
<211> 472
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 466, 467  
<223> n = A, T, C or G
```

<400> 119							
ctggagcctg	agtccgctgc	acggagactc	tggtgtgggt	cttgacgagg	tggtcagtga		60
actcctgata	gggagacttg	gtgaatacag	tctccttcca	gaggtcgggg	gtcaggtagc		120
tgtaggtctt	agaaatggcc	cagttcgggt	ttggttttta	ttctgcttat	ttggttgctg		180
agaaagtaac	tgtgatcacc	aaacataacg	atgatgagca	gtacgcttgg	gagtcctcag		240
cagggggatc	attcacagtg	aggacagaca	cagggtgaacc	tatgggtcgt	ggaacaaaag		300
ttatcctaca	cctgaaaagaa	gaccaaactg	agtacttggg	ggaacgaaga	ataaaggaga		360
ttgtgaagaa	acattctcag	tttattggat	atcccattac	tctttttgtg	gagaagggaac		420
gtgataaaga	agtaagcgat	gatgaggctg	aagaaaagga	agaccnngaa	ga		472

```
<210> 120
<211> 544
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc feature
```

<222> 544

<223> n = A,T,C or G

<400> 120

```
cgagggcctg ctgcttcctg gttaagtatc ttttgagatt ctagaacaca tgggagcttt 60
ttattttcgg ggaaaaaccg tatttttttc ttgtccaatt atttctaaag acacactaca 120
tagaaagagg ccctataaac tcaaaaagtc attgggaaac ttaaagtcta ttctactttg 180
caagaggaga aatgtgtttt atgaacgata gatcacatca gaactcctgt ggggaggaaa 240
ccttataaat taaacacatg gcccccttag agaccacagg cgatgtctgt ctccatcctt 300
ccctctcctt ttctgtcacc tttcccccta gctggctcct ttggacctac ccctgtcctt 360
gctgacttgt gttgcattgt attccaaacg tgtttacagg ttctcttaag caatgttgta 420
tttgaggctt tttctgaata ccaaactctg tttttgtaaa gcgtaaaaac atcacaaagt 480
aggtcattcc atcaccaccc ttgtctctct acacattttg cctttgggga tctggttggg 540
gttn 544
```

<210> 121

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 505

<223> n = A,T,C or G

<400> 121

```
ctgatgctgt ttgatgactc tgggaagtat tgaaggttcc aaaatcagca ctggaggatt 60
tggggaagtt atcaaaatga gcaaaattag catttactga tgcagcactt ccacctgtag 120
tttggggctg aaaaggagag tgacttgctg tggggaaacc tccaaaatta ctccaaccac 180
tagactgtcc aaatgcatca aagtttgcaa aatctgcatt tgcagaattc tgagctgcat 240
gactgttgaa atgtgcaaag ttagcaaaat tggctgtagc tgttgactga ggagctggag 300
cagcaaagat gtctgagccg agatcactta aaagggtcaaa ttgcttcttc tctgtctgct 360
gcccttgaga acgacctaca actggggact gactaggtgt gcccttattt aagtgcagtg 420
ttggtgcaga atccccataa agagatttca gtggtttgac ctcagggtgtg ctgcttgtgc 480
tactggcaga ggacccttga aatanatgca tgaactgatg ccacgacttt ggcttgttct 540
ggcgggacat accatctttt cttttcatac ttttcttga 579
```

<210> 122

<211> 238

<212> DNA

<213> Homo sapiens

<400> 122

```
ctgccacaga gggccccac cagggaaatg tctagtgtct agtggatcca ggccacagga 60
gagagtgcct tgtggagcgc tgggagcagg acctgaccac caccaggacc ccagaactgt 120
ggagtcaagt gcagcatgca ggcgccctt gggaaagctt taggcaccag cctgcaaccc 180
attcagacag ccacgtaggc tgcaccacag aaagccacag gcacggggct acctgagg 238
```

<210> 123

<211> 377

<212> DNA

<213> Homo sapiens

<400> 123

attacgccaa cttggtaccg agctcggatc cctagtaacg gccgccagtg tgctggaatt 60
 cgcccttggc cgccccggga ggtctgggag gatagcaccg ggcatatatt ggaatggatg 120
 aggtctggca ccctgagcag tccagcgagg acttgggtctt agttgagcaa tttggctagg 180
 aggatagtat gcagcacggg tctgagtcgt tgggatatgt gccatgaagt aacctgaagg 240
 aggtgctggc tggtaggggt tgattacagg gttgggaaca gctcgtaacac ttgccattct 300
 ctgcatatac tggttagtga ggtgagcctg gcgctcttct ttgcgctgag ctaaagctac 360
 atacaatggc tttgtgg 377

<210> 124

<211> 461

<212> DNA

<213> Homo sapiens

<400> 124

ccaggggtgga gtgcagtggt gtaatcaaag ctactgcaa ccttaacctc cctggggtca 60
 ggtgacctc ccattcttcag cctgtcaagt agctggaacc acaggcatgt gccaccacac 120
 ccagctaatt tttttttaat gtttttagaga gacaggggtt caccacatta cctaggctag 180
 tctcagaact cctggactca agtgatctgc ccattctggc ctctttgtat gtagactgta 240
 ccattgtgaa tatattatca atattcaaga aactagcttt aactaacttt tgctgggtcaa 300
 ttccactgta ctggctccga aaattatcct ctgggtactc cctactatga aaatggaggt 360
 attcttcaaa agatattaag aaattctccc tatcaagact tatttatcta tccactgatg 420
 gttgttacat attaaataag cttaactgcc cagtttctat t 461

<210> 125

<211> 266

<212> DNA

<213> Homo sapiens

<400> 125

ccttctcttt tgggtcccca ggtggtaaat gtctgtaaac ccagctattg cagggggttt 60
 gaagtgaaga gctttgttat atcctagggtc agcaccacgg gctgcccttg ttctgaactg 120
 ggagcacttc cccagtgga ggatacagac tcaaaagctg ttcttggtgt gccttgctag 180
 gtgccagggc agcccagggt ggcattctta atgagggctt ggcaggagtc tcccaggctg 240
 agagtgggga gtggggagat gaggaa 266

<210> 126

<211> 322

<212> DNA

<213> Homo sapiens

<400> 126

ccttttagaa gctattaaat gagcaaacat tatagataaa ccaattttat atctgaagca 60
 gcttatagca ccaacacgtt ggcaggacca gcagaggggt ggggtctttg gaccaaggca 120
 tctgggaaca ggaagggtc tcagccatca tctaccttat ccctgtaagt ctattaaatg 180
 taaataatac atactttaca acttctctta gtcggccctt ggcagattaa atctttgcaa 240
 aattccatat gtgctattga aaaatgaaat aaaacctcag atgtctgaat tcttatttca 300
 aatacagtta tataattatt tt 322

<210> 127

<211> 372

<212> DNA

<213> Homo sapiens

<400> 127

05900300 033404

accaagttga ctctgaggcc ctggtgggct gcctgcgggg caagagtaaa gaggagattc 60
 ttgcaattaa caagcctttc aagatgatcc ccggagtggg ggatgggggc ttccctgcca 120
 ggcaccccca ggagctgctg gcctctgccg accttcagcc tgtccctagc attgttggtg 180
 tcaacaacaa tgaattcggc tggctcatcc ccaaggtcat gaggatctat gataccaga 240
 aggaaatgga cagagaggac ctgccaaagg cgaattctgc agatatccat cacactggcg 300
 gccgctcgag catgcatcta gagggcccaa ttgcacctat agtgagtcgt attacaattc 360
 actggccgctc gt 372

<210> 128

<211> 575

<212> DNA

<213> Homo sapiens

<400> 128

ccaccacacc caattccttg ctggtatcat ggcagccgcc acgtgccagg attaccggct 60
 acatcatcaa gtatgagaag cctgggtctc ctcccagaga agtgggtccct cggccccgcc 120
 ctggtgtcac agaggctact attactggcc tggaaccggg aaccgaatat acaatttatg 180
 tcattgccct gaagaataat cagaagagcg agccccgat tggaaggaaa aagacagttc 240
 aaaagacccc tttcgtcacc caccctgggt atgacactgg aaatggtatt cagcttcctg 300
 gcacttctgg tcagcaacc agtgttgggc aacaaatgat ctttgaggaa catggtttta 360
 ggcgaccaca accgcccaca acggccaccc ccataaggca taggccaaga ccataccgc 420
 cgaatgtagg acaagaagct ctctctcaga caaccatctc atgggccccca ttccaggaca 480
 cttctgagta catcatttca tgtcatcctg ttggcactga tgaagaacct ttacagttca 540
 gggttcctgg aacttctacc agtgccactc tgaca 575

<210> 129

<211> 261

<212> DNA

<213> Homo sapiens

<400> 129

aaactgctct ttttatctgc ttgtgggaat gtcgtctctt tcgtggaaga ttgggtgggc 60
 tcatgttgag gctgttgccc agtcccatta actcccttgt cccccacag aaggaagaga 120
 cattgccag ctaagcatca ggaagctgtg ttaaaagccc ttctatgggt ttggttttgt 180
 gatgtttttc cctaattgga aaaacgttat agttgtttct tactgcctg tctgggaagc 240
 agggcaaacc tccagggttt t 261

<210> 130

<211> 495

<212> DNA

<213> Homo sapiens

<400> 130

ctgggggtact ttcagtttgg actgatattc atcacacctc agataaaatg cagagtaata 60
 tatagttgca ctttataaat ggtggttaaa tggaaatgtt caagccattt tatagttgtg 120
 atgcacaata taatttaagt gcttctgtca aagtattcct ccagtacaat ttgtatagtt 180
 tgctgccctt gatgagcaaa agtattttatc ttgggcttat ctaaagatgc aggatgagat 240
 ttaatgcca tatcttacca gttcagtaat ctccagagcc atttcaccct ttagagttag 300
 tcacatgcag ggagtgtgaa tgtcagaggt ggtttattat ccagtctgcc ttacccttaa 360
 tctgttcaca gatattttat tactaatgct ttttttttct taagagttag gggataggaa 420
 aatgaagtgt ttgctcttca tttactaaat gattgtaaac ttgagttttt catcaaaaata 480
 aaattccatt gtttt 495

<210> 131

<211> 214
 <212> DNA
 <213> Homo sapiens

<400> 131
 ccaagaggtc agagtcgtcc ctgaggctga gtcgaacaca gaccctgtggc cctcataaaa 60
 ttaaacataa aagcacaaaa atggcgcaac cagacagcat tggcttcaga caggcaggac 120
 acggggcccc tcgtgtgacc tgtgactttc cacaaagggc aaggacctgg cactgactcc 180
 ggccagtggg gaaggctgtg ccgcccaccc ggcc 214

<210> 132
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 132
 cctgggagga gactatggaa gaaagggggc ctcaagaggg agtggcccca ctgccagaat 60
 tcccaaaaga tcattggccg tccacattca tgctggctgg cgctggctga actggtgcca 120
 ccgtggcagt tttgttttgt tttgcttttt tgcacccaga ggcaaaatgg gtggagcact 180
 atgccccagg gagcccttcc cgaggagtcc cagggggtgag cctctgtgcc cctaatac 240
 tcctaggaat ggagggtaga ccgagaaagg ctggtatagg gggagggttc ccaggtagaa 300
 gaagaagtgt cagcagacca ggtgagcgtg ggtgccagtg gggttcttgg gagcttcaag 360
 gaagcaagga acgtccctc cttcctctcc tggcttttct ctatgggacc tagtaaataa 420
 ttactgcagc cacctgagge tggaaaacca ctccagggtg gggaggagag agttta 476

<210> 133
 <211> 142
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 23, 73
 <223> n = A,T,C or G

<400> 133
 aaaattacct tttcatcttg ctngattttc cttcagctaa attagaaatt tgtagttttt 60
 cccctaaaaa atncaatggc attctttctt ataaattaca ttctctgatt ttcttgtcag 120
 cctgcttcaa ggaaatccat gt 142

<210> 134
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 4, 18, 25, 69, 93, 98, 115, 134, 246, 352, 365, 369, 438,
 440
 <223> n = A,T,C or G

<400> 134
 ngtncaagaa aataattnta tctantgatt attagtgact tgcaaacaat ttactatttc 60
 tagactaang aaataaatta gtgtacaaat tantgtanca ggtaaaaac acctnaggga 120

05950300 "073104"

$\langle 210 \rangle$	138
$\langle 211 \rangle$	408

<212> DNA
<213> Homo sapiens

<400> 138
aaagtacttt taagaaaaaa agcagggcct tggagagttt ggttcttttt tcttcccctg 60
ttgcaaattc tcatggtttg ggttgggtgg tggagagcgc gtgtcatctg cgggtggcac 120
tgccacagggt gggcgggcgg gcctctctac tgaaggtga ccacgtttag attctgagac 180
gggaagtgga gggatgaatag gtcacggcgg ccttttttta gtttaacttt tctttttttg 240
ctgtctagtc atcctcgctg gtcttctgct tcttgggtat gacatcgta tcttaagcag 300
agaaagactg tcaaaggccc ctccaacccc aggagcccta tccagcccac tgccctcagct 360
cctgctggca gagcaagaac cagggacccc cagctccaca gcccgaagg 408

<210> 139
<211> 28
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 14
<223> n = A,T,C or G

<400> 139
tactgctgga tatnccttta acgttgct 28

<210> 140
<211> 386
<212> DNA
<213> Homo sapiens

<400> 140
ccaaccagcc acgggagttg gaattcccta actattgtca gagagagtgc aaagggattt 60
gtctgattga acaatctgca tttgaagatg acctggacct gcctgcatcc cgcattggcag 120
agggtgacat ttggaagggt cgtttgctca tgtttcctct tctctcccca gaacctgcta 180
aggctgcctc agacctgact gcctgggtca gcctcttcgc tgacctcgac ccactctcaa 240
atcctgatgc tgttgggaaa accgataaag aacacgaatt gctcaatata tgaatctgta 300
cccttcggga gggcactcac atgccgcccc cagcagctcc cctgggggct agcagaagta 360
taaagtgatc agtatgctgt tttaatt 386

<210> 141
<211> 399
<212> DNA
<213> Homo sapiens

<400> 141
ctggccctcc atcaccaatg cggcagtcct tgccgtgaca tgctgagctc tgggaaggagc 60
gaaggagggg ctgcggtggt cagacaagag cctggacaca gtgctgctga cagccagggg 120
aggctctcag cgctgggagg ggcgacagat aaagcgagac agaccaagga gtaaatgcct 180
tggtatctgc tctttgggaa ggaagaggat gaaagtatta acagcagacg ggtctctcca 240
agtctgggtg cctacgcagg gggcaggtgg gaggggaagg gagaggtaag agtggcttcg 300
cttcacctct tgctgctggc aaaggcccaa gtgctgtcta acaaggccag caggttctcc 360
aagctgtatc tagcccagag cattcattta caggactct 399

<210> 142

0990300 073404

<210> 146

<211> 546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 395
 <223> n = A,T,C or G

<400> 146
 ccacttccat gccctctcca gaccaggaga cacctgctgc tgacctcgtg gaaaacttag 60
 attttgacat tctgatgctt cggaagtggg ggctcctcct ccctcacccc tccgccacct 120
 gtgggcctcc tctctgcac tcaagagaac aaccagatct ttggactcct ggggtgtgtg 180
 ccattgcaatt tagacgaagt gctttgaaaa tatgccattc agtctctgac taggaaaata 240
 agtctgacct gataggctct atgtcatcag ctcttcaaca tgagacaaaa gaggggattt 300
 tatgttttga gtcattagaa tgatataata attttctgaa ttgacatctg gatgttgaaa 360
 ttaggatggg gcaaaagggg tccagggcct caggntgggc gcagcagcca gctcccaatg 420
 acgcagaagc tgcttcaaaa cccctcaac aaagaggggc acatgcaagt caccaaagtg 480
 ggaagccttc accaaggcca cacccaaagt ctactgattg tctgtctaaa gttcgttgat 540
 tctctgg 546

<210> 147
 <211> 653
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 45, 50, 72
 <223> n = A,T,C or G

<400> 147
 atccctagta acggccgcca gtgtgctgga attcgccctt agcgnnggcn cgggcgaggt 60
 ccttcatttt anctaagttt agaattttata ttacgcaact atgatttgag tgggtattca 120
 ttgagtaatt ttccactata aagaatttta ttgaacattt attaaaaaat aatgtaatgc 180
 atggtcaaaa aatatgtaat tcatggctctg gacactgacg ttgtttaggg atttagtcat 240
 caaggacagc cctctgttgt ttctaattgcc gtactaatca agactgtatg gacacttgca 300
 tcttaagtac taaggaatta ctagtgattg ttttatttta tccatgtact cttttagtat 360
 ttaataatta aatacctatt cttagtgttt gacactccat atttcttttt tttggaaatg 420
 aaacaaatat gcagtccaaa attcaggaac tactagagtg aaatgatatt aagtggaaac 480
 cagagataaa tgctgttaat ttaacaagta gattcttctc caaagaatga tgagtgatgc 540
 ttgggaagat aaatgttaat gttcccaata gtcaagcttg tcttgacagta gtgaaaagct 600
 tagatgagta cggatacctc atttgaaact cagcctaggt aaggaagtga aaa 653

<210> 148
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 148
 ccaacatggt gaaaccccat ctctactaaa aatacaaaaa aaatattagc caggcatggt 60
 ggtgcatgcc tgtaatccca gctacttggg aggctgaggt aggagaattg cttgaacctg 120
 gaaggcggag gttgtagtga gctgagattg tgccattgca ctccaacctg ggcaacaaga 180
 gtgaaactcc atctcaaaac aaaaacaaaa ctagacagc 219

05920300 073404

<210> 149
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 304, 374
 <223> n = A,T,C or G

<400> 149
 gctaggtagg ggcaggtggg tgatctctaa gctgcaaaaa ctgtgctgtc cttgtgaggt 60
 cactgcctgg acctggtgcc ctggctgcct tcctgtgcc cagaaaggaag gggctattgc 120
 ctccctcccag ccacgttccc tttcctcctc tccctcctgt ggattctccc atcagccatc 180
 tggttctcct cttaaggcca gttgaagatg gtcccttaca gcttcccaag ttaggttagt 240
 gatgtgaaat gctcctgtcc ctggccctac ctcccttccct gtccccaccc ctgcataagg 300
 cagntgttgg ttttcttccc caattctttt ccaagtaggt tttgtttacc ctactcccca 360
 aatccctgag ccanaagtgg ggtgcttata ctcccaaacc ttgagtgtcc agccttcccc 420
 tgttgttttt agtctcttgt gctgtgccta gtggcacctg ggctggggag gacactgccc 480
 cgtctaggtt tttataaatg tcttactcaa gttcaaacct ccaccctgtg aatcaactgt 540
 gtctctt 547

<210> 150
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 279
 <223> n = A,T,C or G

<400> 150
 ctgaaccctc gtggagccat tcatacaggt ccctagttaa ggaacaagtg attatgctac 60
 ctttgcacgg ttaggggtacc ggggcccgtta aacatgtgtc actgggcagg cgggtgcctct 120
 aatactgggt atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt 180
 tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg 240
 taataatgac ttgttggttg attgtagata ttgggctgnt a 281

<210> 151
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 498
 <223> n = A,T,C or G

<400> 151
 ccaggctggg tttgatctcc tgacctcaag cgatccactg tccctggcct cccaaagtgt 60
 tgagattaca ggtgtgagcc accatgctcg ctgagagcag atattgaaa tgtcactttg 120
 agttctgaga aaaagtataa agccagaaga cactactagat atataaatat attactgctt 180

0920300 023404

```

aaaaagattt cctaaaaaga aatgtatcaa gtgtatgaat caaagtctga aagaaagatg 240
aagagccacc agacttctag gtaggtttac atccatcatg ttctcttga ctgcctttgt 300
ttgtcgttta gttttttgct ccactcaagc ctgttagaat caccatggaa tacagctcca 360
gtgggaaggc cactggagaa gctgatgtgc actttgagac ccatgaggat gctgttgag 420
cgatgctcaa ggatcggtcc cacgttcac ataggatat tgaactgttc ctgaattcat 480
gtccaaaagg aaaataanac tctagggg 508

```

```

<210> 152
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 365
<223> n = A,T,C or G

```

```

<400> 152
cctgcgcctc ctgccttgcc gcctgcaaag caaagaaact gccttttatt ttttaacctt 60
aaaaagtagc cagatagtaa caagactggc tggctgatga gcaaagcctt tgctctcacg 120
cagaggaagg cttggatgta caatgaaact gcctggaact aaaagcagtg aagcaaggga 180
ggcaatcaca ctgaagcggg ttttctcca ggaacggggg cccacaggcg tgttgtttta 240
aataacctga tgctgtgtgc atgatgctgg tgcttgacca tgaaaggaaa gtctcatcct 300
taaaatgtgt tgtacttcac aatcctggac tgttgcttca agtaaacaat atccacattt 360
cgaan 365

```

```

<210> 153
<211> 203
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 196, 200, 201
<223> n = A,T,C or G

```

```

<400> 153
aaaggaaaag ttgattatgt atgtgggggt ccaggaccac tgccttgaaa gcaagtgtga 60
tttttatatt taatattatt ttatttgtgt ctgtgtacat attcatgtat aaattttatg 120
aaacccaagc atagtgttta ttttttaata aaacaactga cttaacacca aaaaaaaaaa 180
aaaaaaaaaa aaaagntttn ncc 203

```

```

<210> 154
<211> 646
<212> DNA
<213> Homo sapiens

```

```

<400> 154
aaaattttga caatctgctg ggtgctgagg gaggtacaca gggagcagat agcctctgcg 60
tcctcctggg ttttcttctt taattgcagg agctgggctg cttggatcag aggttccatg 120
gtctgaactg ctccactctg gtgaagggtt ctccccgaa gccactctc aagctgactt 180
atattgtacc tgagttgcat gcctgtgctc caagagcaga cgctcttccg caagagcagg 240
ttgttaagag tcaactgcgt gatcatgtag aagagctgtt tgaataacctg caggatgatc 300
tcagggtcca agccctggtc acacatgact gtatgaaagg cattcatctg gcggatgata 360

```

05960300.073104

gcttccaggc agtatgagtt atccccatct gccatgctgg aggagcgctt ccggtagccg 420
 gtgggcttca caccagatag accctgaatg ctctcathtt ccaacatggc agaaactatc 480
 atcggctgta acacgccctc ggcaatttta atgagctgct ggtagatctg aatggaaaagg 540
 tcactcagca cctgacggac ctgcccgggc ggccaagggc gaattctgca gatatccatc 600
 aactggcgcg ccgctcgagc atgcatctag agggcccaat tcgccc 646

<210> 155
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 155
 ccatggtggc gcacgcctgt aatctcagct actcaggagg ctgaggcagg agaattctctt 60
 gaacctggga ggaggaggtt gcagtgaagg aagatggtgc cactgcactc cagccttggc 120
 aacaagagtg agactctacc ttataaaaaa taaaaaaata aaaaaagtca aaattagctg 180
 ggtgtggtgg tgcgcccgtg gtctcggctt cttgggaggc tgaggcagga gcattgtttg 240
 aacctgggag gcggagggtt cagtgaagctg agactgcacc attgtagtcc agcctgcatg 300
 acagagttag actctgtctc aaaaaaaaaa aaaaaa 336

<210> 156
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 156
 ctgcctttga tcaagattcg ggtgcaagtg gagcaggagc catatacctg gagggaaatgt 60
 gctttgtcac accaaagagg attttttttt cttcaaaact gtatgttgcc taggtttcaa 120
 attctttgcc gcaaggctga tctgctttca ttaactggaa ttctgtagga gatactgggtg 180
 acctaagcta agttgcactc agcatactca gtgtcaagct aatgagggtc tattataaag 240
 gttctacttt taatctgagg gaaaacatgt tcagggtctc tagaactact aaaaatttgg 300
 cttaaaccag tgttcagttc ggtgccaaac ttcgaatgga atacaaattc acataatctg 360
 aactttgttc acaggttatt ctaatatagat aattcttcac tttgctctat tgaactgtct 420
 taaggatttg ttt 433

<210> 157
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 157
 aaatcaataa gtaatctagg actagcatta tgtttgctag acctggcatt tgctcgggtac 60
 ataaggttca aagtttcctt tccttttttt atttatttta ttttttgcaa tgtttttttt 120
 ccataatatt taagtttttc gatgttttaga tttttttctt cgggtgaagca caagttttctt 180
 ttcatgggtc ctgatcaatt ttaaacagtt ggaacaccgg tggcactgtt aactgttttc 240
 tgggcagcct ctttagcttg gtgggcttgt agtacagcta cagcttcac aaccttagaa 300
 cggagtgact ctggagactc gagcatatga agaagttctg aattatcaat ctccaacaac 360
 atgccagtga ttttaccagc aagagttagg tgcatggctt gaataagagg aaacagcc 418

<210> 158
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 158

```

aaatttatft tttagtfttt cttttttgtc aacaaatgat tgatgaaata atgcaacacc 60
cttaaatfcc agaaaatggc atggtttttc caacctcctg tggatatggg gcatgatcaa 120
tctattatat aggattaata caagttcatg ctttttgtgt tatggtgaaa caacattaaa 180
gaatccaatt tagattgggt gaagcacaag tataataatc cttgaatgtg atcaaaccta 240
tttaagacac cagtttgctt tttctctgaa ccagagaaat gaaagtcagt ttaagaggct 300
gatagatctt ggccctgtta aggcattccac ttcacagttc tgaaggctga gtcagcccca 360
ctccacagtt aggccaaaga ttagattttt                                     389

```

```

<210> 159
<211> 155
<212> DNA
<213> Homo sapiens

```

```

<400> 159
ctgagctgac cttactctga ggactaactc ttttgctgga agcggtttct gatttacagc 60
tcttggtttc tcccagacat gttgggtgga gagatgttgg tttttaaggg gttgtagat 120
ggagtaaatt ttcttttttt tttttttttt tttttt                                     155

```

```

<210> 160
<211> 555
<212> DNA
<213> Homo sapiens

```

```

<400> 160
aaaagtcatt caagagtctc attatfttttg tttttattta acccttttctt caatacaaaa 60
agccaacaaa ccaagactaa ggggggtgacc atgcaattcc attttgtgtc tgtgaacata 120
ggtgtgcttc ccaaatacat taacaagctc ttacttcccc ctaaccctta tgaactcttg 180
ataacaccaa gagtagcacc ttcagaatat attgaatagg cattaaatgc aaaaatatat 240
atgtagccag acagtttatg agaatgaccc tgtcaagctt cattattacg tggcaaaatc 300
cctctggccc acacagatct gtaattcact aggcctcgtg ttgctacaaa tagtgctaat 360
aaagttaaatt tgcacgtgca atacggaaca ctgtcaatgg actgcacctt gtgaaggaaa 420
aacatgctta aggggggtga atgaaaatga tgtagacatt ttaagcattt tctacacagc 480
gagaaaactt cgtaagaaca tgttacgtgt gcaacaggta aacagaaatc ctttcataaa 540
gcaccagcag tgtttt                                     555

```

```

<210> 161
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<400> 161
cctagatggc aaaacacatg ggcttttgtga ctccactact gacttccagg ctaagggaagg 60
actgacttag tgagctgttc caagaccact gagctcatgg ttccctgtgg ctggggacctc 120
catcatgacc ggggcttgaa gaggggtactc tgttcccgtc gccacatttg gaacagtatg 180
acggctgcag cagaggccaa aaactaagtg atcagcccca gagagtcgat gggggacact 240
gacaaaccaa tcacaaagtt ggtgccatta gctcttaggg aggagaggtg gggcctgggc 300
aaggacagca g                                     311

```

```

<210> 162
<211> 320
<212> DNA
<213> Homo sapiens

```

```

<400> 162

```

```

ctgtgatcca gcaccgaccc agccggcagt atgccacgct tgacgtctac aacccttttg 60
agacccggga gccaccacca gcctatgagc ctccagcccc tgccccattg cctccaccct 120
cagctccctc cttgcagccc tcgagaaaagc tcagccccac agaaccctaag aactatggct 180
catacagcac tcaggcctac tatgggtgtt aaatttttta ctctctctac aagggttttt 240
cctagtgtcc aaagagctgt tcctcttttg actaacagtt aaatttaciaa ggggatttag 300
agggttctgt gggcaaattt

```

<210> 163

<211> 643

<212> DNA

<213> Homo sapiens

<400> 163

```

aaaacttctg ggttctgctg gtccagacag tctttcagaa ttagaataaa atctgtcttc 60
cctttgtgga ggaagagttg aatcaggata tgattgccct ggtggaggaa acatcatcct 120
acggtcctgt tccaccggag atgacaggga cccagtgtca gaaggagccc tgtgaggatc 180
gattaacctg tcatagcttg gttctcctct ttcattggta atctgatggg ccaggggatt 240
ccctgggctg cttgggcctc ttctcctcc ccctggaagc acaggtgaga gtctgagtgg 300
atcctccaac aaagtgttgag gagagggaaa agttctcggt tcagatgaag gccgacccaa 360
tggtgaggga ctacatgggg aatgctctct gccaaatgct gtatttgaaa catcgagtgc 420
attaggatct ttttctaaaa gttcaaatct caactctgtt tcagttaatt tttgtttgtt 480
gtgagcattt tctttcctta aatcactgag gtttctttca gcagtccgag ctgccaacca 540
attatcatgt cctcttttct cgtaggaaat aacctgcttt tgataaaaaat gaacagttct 600
ctccaattct tottcaagat ctttggttag ctttctatag gtc

```

<210> 164

<211> 636

<212> DNA

<213> Homo sapiens

<400> 164

```

aagattatga tcgctgagg cccctctcct acccagatac cgatgttata ctgatgtgtt 60
tttccatcga cagccctgat agtttagaaa acatcccaga aaagtggacc ccagaagtca 120
agcatttctg tccaacgtg cccatcatcc tgggtgggaa taagaaggat cttcggaatg 180
atgagcacac aaggcgggag ctagccaaga tgaagcagga gccggtgaaa cctgaagaag 240
gcagagatat ggcaaacagg attggcgctt ttgggtacat ggagtgttca gcaaagacca 300
aagatggagt gagagaggtt tttgaaatgg ctacgagagc tgctctgcaa gctagacgtg 360
ggaagaaaaa atctgggtgc cttgtcttgt gaaaccttgc tgcaagcaca gcccttatgc 420
ggttaatttt gaagtgtgtt ttattaatct tagtgtatga ttactggcct ttttcattta 480
tctataattt acctaaagatt acaaatcaga agtcatcttg ctaccagtat ttagaagcca 540
actatgatta ttaacgatgt ccaaccgctc tggcccacca gggtcctttt gacactgctc 600
taacagccct cctctgcact cccacctgac acacca

```

<210> 165

<211> 519

<212> DNA

<213> Homo sapiens

<400> 165

```

ctgtagactt gacctcaaag attccatcct caatagttag gattgacaca tcaaaagtgc 60
cacctcccag gtcaaagatg agcacgtttc tttctgctcc aacctttttg tctaagccgt 120
aagcaatagc agcagcagtt ggctcattaa taattctaag tacattgaga ccagcaatag 180
ttccagcatc tttggtagcc tgacgtgtag agtcattaaa gtaagctggc actgtgacca 240
cagcattggg aacagtcttc ccaaggtagg cttctgcaat ttctttcatc tttgtcagaa 300

```



```
<210> 166
<211> 266
<212> DNA
<213> Homo sapiens
```

```
<210> 167
<211> 266
<212> DNA
<213> Homo sapiens
```

```
<210> 168
<211> 567
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 13, 515, 516, 517, 565
<223> n = A,T,C or G
```

<210>	169
<211>	272
<212>	DNA

<213> Homo sapiens

<400> 169

```
ctgttgcattg ccaagttttt tgtgtgtgtg aaacacttca aaactgattt aaaagatgta 60
aatttaaaga gaatgcaatt caaatcatgg agaattttt ctaaagaaaa tttcaatctg 120
cttttttgat ctgggctcac ttaaatagtg tgatcgatct atcccttagc tgaacaaatt 180
atacaaagca gcatttagac ttatattcac tctcaagtat caagagggtt tcagcctttt 240
cttactaact gagagattct tttttgggtt tt 272
```

<210> 170

<211> 345

<212> DNA

<213> Homo sapiens

<400> 170

```
ccaggcattc tctccctgcc ctctctggcc tctgggggtca tactcacttc tttagccagc 60
cccatccctt ccaccccaca cctgagttct tgcctcctcc ttttggggac acccaaaaca 120
ctgcttgtga gaaggaagat ggaaggtaag ttctgtcggt ctttcccca tccccaggaa 180
tggacaagaa gccaaacttag aaagaagggt ctacagtggtc tggcctggct cctccgtaga 240
cccctgttct tttcaacctc tgcccacccg tgcattgcat cacaacatt tgctcttaag 300
ttacaagaga ccacatccac ccagggatta gggttcaagt agcag 345
```

<210> 171

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 152

<223> n = A,T,C or G

<400> 171

```
aaacactgct tttagtatga tgtcaacacc agctatgcag aaagggctct ggagagatgt 60
tcatagcagc acacacctgc ggctcttctt cgatcctgga ggctccaggg cagccaatat 120
tgtatcgta aatacattct tttttttttt tntttt 156
```

<210> 172

<211> 114

<212> DNA

<213> Homo sapiens

<400> 172

```
caaaagccct gcatttaata agtgggagat gtgggtcacag tggataaaag gagcacacat 60
aaaactttag agagggtgatt tcactagagg gagttttttt tttttttttt tttg 114
```

<210> 173

<211> 324

<212> DNA

<213> Homo sapiens

<400> 173

```
aaaatcactt tgggtggtgat tccaaattgg taccaagcaa actttctgga tgcccaacat 60
gattttcagt aaccaccctt tagagtattt gtttactaag ttcaccacat tttgaacatg 120
```

```

gtagtttttag actgcaataa tatttagact tacattatta cttactgcta agtaaaatct 180
aaatcctgca aatgcacaga attcaagctg aaatataatg atttatgttt agctcacatt 240
gaagtattgg ttggttactt atgtattaat gcagtgtgca ttcacattta atcagggtta 300
gtctgtttct attttaataa tttt                                     324

```

```

<210> 174
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 239, 262, 360, 361
<223> n = A,T,C or G

```

```

<400> 174
cagacacaca ttctgttgac aagggaac cttcaaagca tgtttctttc cctcaccaca 60
acagaacatg cagtactaaa gcaatatatt tgtgattccc catgtaattc ttcaatgtta 120
aacagtgcag tcctctttcg aaagctaaga tgaccatgcg ccctttcctc tgtacatata 180
cccttaagaa cgccccctcc acacactgcc cccaggtata tgccgcattg tactgctgng 240
ttatatgcta tgtacatgtc anaaaccatt agcattgcat gcaggtttca tattctttct 300
aagatggaaa gtaataaaat atatttgaaa tgcaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
nttt                                     364

```

```

<210> 175
<211> 532
<212> DNA
<213> Homo sapiens

```

```

<400> 175
ccttcttatt tagattcctt ttgatgtcct tccattttca gatatacagt tgcttttttc 60
ctctgggttt tgggaagggc acctctcaca tgacgatcct atggcctgct tctggggaaa 120
aggatgggga aatgtcagag agtccttgca tatatcatct ctcaaaactc ttaatcttaa 180
atattcagta tgtcaagggt ccataattttg gggtagcatg tcctgagctc catcaacatt 240
aatgtaaaaa tatttagcct aatgcctggc acatatcaag agcttaagaa atgctgactc 300
taaaattatg acatctagga agatgtgggg cagaattgta aacttacctg ctaaattacc 360
tatgagctgc ccaccattcg ttaattatgg caataataat gggtttatca tgctgtatcc 420
tactcttgc aagcagtgtt ccttgtgctt agcagtaaat gttgccta at ttggggcatg 480
ctggtgtgtc tgcagactgt tcttgtatgt ggaaaggtaa ctggcctgct tg 532

```

```

<210> 176
<211> 524
<212> DNA
<213> Homo sapiens

```

```

<400> 176
aaacctaata tttttaatta aatgcctggt caacaaagct aattggaaca aacacattta 60
tgtaaattta cattctagaa tgccagggtg aacaaggaga cgttattcaa agatgaataa 120
gaaagttcta ttctttttca tcatttgtgt gatcagggtg caaaggacat gcttttctct 180
ttgcttttcc taagccactg cttcctgcct cttcaggaat ctgattctct ttttcagaat 240
cttttagggg caacctaaag aattctccaa ttcttttttg ccacttggga gttgggcgca 300
cgcaaacggg gttccctcct gcataattat ttccagcttt cctcgatgaa actgatgtcg 360
aattagtggc agagggtggaa gaaccaagca ctttctggg ggctcgagca gccaccactt 420
ttctgtaagt gcctggaaca ctgtctgctt tagtccgcac catgttcaaa caagaagaga 480

```

ggagaggaga gaacgaactg acttcccagc cgagggtgtt tcac

524

<210> 177

<211> 357

<212> DNA

<213> Homo sapiens

<400> 177

cgaagatatg cccatgtggt gttgaggaaa gcagacattg acctcaccaa gagggcgagg 60
 gaactcactg aggatgaggt ggaacgtgtg atcaccatta tgcagaatcc acgccagtac 120
 aagatcccag actgggttctt gaacagacag aaggatgtaa aggatggaaa atacagccag 180
 gtcctagcca atgggtctgga caacaagctc cgtgaagacc tggagcgact gaagaagatt 240
 cgggcccata gagggctgcg tcaattcttg ggcccttcgtg tccgaggcca gcacaccaag 300
 accactggcc gccgtggccg caccgtgggt gtgtccaaga agaaataagt ctgtagg 357

<210> 178

<211> 420

<212> DNA

<213> Homo sapiens

<400> 178

aaatgtcttg tttcccagat ttcaggaaac ttttttctt ttaagctatc cacagcttac 60
 agcaatttga taaaatatac ttttgtgaac aaaaattgag acatttacat tttctcccta 120
 tgtggtcgct ccagacttgg gaaactattc atgaatatc atattgtatg gtaatatagt 180
 tattgcacaa gttcaataaa aatctgctct ttgtataaca gaatacattt gaaaacattg 240
 gttatattac caagactttg actagaatgt cgtatttgag gatataaacc cataggtaat 300
 aaaccacacag gtactacaaa caaagtctga agtcagcctt ggtttggtt cctagtgtca 360
 attaaacttc taaaagttta atttgagatt ccttataaaa acttccagca aagcaacttt 420

<210> 179

<211> 366

<212> DNA

<213> Homo sapiens

<400> 179

cctaaaagca gccaccaatt aagaaagcgt tcaagctcaa caccactac ctaaaaaatc 60
 ccaaacatat aactgaactc ctacacacca attggaccaa tctatcacc tatagaagaa 120
 ctaatgttag tataagtaac atgaaaacat tctcctccgc ataagcctgc gtcagattaa 180
 aacactgaac tgacaattaa cagcccaata tctacaatca accaacaagt cattattacc 240
 ctactgtca acccaacaca ggcattgtca taaggaaagg ttaaaaaaag taaaaggaac 300
 tcggcaaatac ttaccccgcc tgtttaccaa aaacatcacc tctagcatca ccagtattag 360
 aggcac 366

<210> 180

<211> 187

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 37, 177, 181, 183, 187

<223> n = A,T,C or G

05920306.03104

```
<210> 181
<211> 226
<212> DNA
<213> Homo sapiens
```

```
<210> 182
<211> 314
<212> DNA
<213> Homo sapiens
```

<400> 182							
ctgtattgcc	gcagttctag	cttcaccttc	acgatgtttc	ccttggtcaa	aagcgacta	60	
aatcgtctcc	aagttcgaag	cattcagcaa	acaatggcaa	ggcagagcca	ccagaaacgt	120	
acacctgatt	ttcatgacaa	atacggtaat	gctgtattag	ctagtggagc	cacttttctgt	180	
attgttacat	ggacatatgt	agcaacacaa	gtcgggaatag	aatggaacct	gtcccctgtt	240	
ggcagagtta	ccccaaagga	atggagggaat	cagtaatcat	cccaggtaca	agcttttttt	300	
tttttttttt	tttn					314	

```
<210> 183
<211> 146
<212> DNA
<213> Homo sapiens
```

```
<400> 183
aaaaataaat agtaccactt ttctaagact gtacagttta caaataaggt ttttttcttt 60
gttgttttcc tcttctatta agtttttagtg aaaagcctaa ttacagaaaa ttgtgcagat 120
actagtgaag atactagtat aagttt                                     146
```

```
<210> 184
<211> 361
<212> DNA
<213> Homo sapiens
```

```
<400> 184
cctaagtcatt taaaaaattc tccctttgta acctcagtcg tggggactga ggcgagcccc 60
ctcaggtcgc tggagtgcac cagtcttggg gaagaggtgc aggagaagct gtgtttttta 120
tctccacacg cagtatgaag ataaaattac atagtattac ctagacatag acagtattac 180
```

ctaggtagat gcactgctca cctgcaccct tcccagctct catttttggt aggtgatttg 240
 ggatagggat agtgttttgg ggtatggggg gagtgtttct gacctgcttt gcagacgtgc 300
 ctccgcacct cagcagtttg ggggtgtggcc ccaggggcgtt tcttggatgt aaaagatgtg 360
 g 361

<210> 185
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 185
 aaaatactac atgacattct gtctattcaa tcacctgggtg gtcattcttc ttgtactaat 60
 taactgttga tgagcatttt ggatattcta ggagaaagcc tataatttca catagtttct 120
 ctttttcatg taactgtaac cttaaattgtat tacttctgat aaaactatat atcaaattgtc 180
 actgcaaatt agttttatat ctgtcatgtg agatttgtct tacttatttt tcttttgggtt 240
 gccatggaag ttatggccct gaaaatcgtc tccctccctt tctcttgctg tacagcatgc 300
 gttctctttt tgtggttgct ggctgggtac tgtatttaaat gaagtagaga atagcacttg 360
 caaaaaataca gtcttggtac ctagagactg tcatgcagat agtataattt ggtatatgtg 420
 ctaatgcatt gagtagagga ttattttaac acactatttt gc 462

<210> 186
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 186
 aaatgcattc ttcacaagta attcagcata tatttttata tcatgtttac ttatgcttaa 60
 gaattaaagc aagtatatatt attactctga tggaaatgtg ggaaatctct cattcatgca 120
 atatacaggg ataataattca agcgaaggga aaattcccgct tttttatttt tgtaaatg 178

<210> 187
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 187
 ctggaggcca tcttcttgga ctaccagggg cggcaggaga tcttcttgca gcgccatgga 60
 cccctatctg tccacatggc ctgcctctcc ttcttcttcc tggtgcctg cagtgtgtgcc 120
 accgcagccc ttctgaggca caaagtcaag gccagactga ccaagaaaga ttcttgaggc 180
 tggcaagtgg ggcaacgtgt ggaggaagcc cctcataatt tggagaaaac ttgatacaat 240
 agaagctgac ttttaaggca ttggctttt 269

<210> 188
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 188
 aaaatattta taaatatgcc ttaaagaaat acaaatgata acaattacat accgtattta 60
 cttgcttaat ttctcttgta tttgtgtaga tactttgaca tggaatatat ggtggggaga 120
 cccgtagtgt taccgccccg gtgggagggg gccctgggga ccctggtaat gcttttagtca 180
 aagggatatc tctcttgat cagaggctgt gtcttttagt aacaggagtc ctcgtcagaa 240
 ttgcgtgtct gttgtctcta aaagaatggg tgaaccaatc ggcttttggt aatttattca 300
 gtgccttctc tgtaccaagc actgggtaag gcacttttgt ggagcattag acagtaaccc 360

```

tcaaggagct agagaaccgg atgggagaca tgagcggtaa ttaactcact tgttccccag 420
agtttctatt tgttttgatt ttctttttct gtgacttatt ttcctatatt ctttcctcca 480
tgtaattttc actatggccc aactaatata aacacctgga aattacaagg aaaaaaaatt 540
cttcctctaa taactttcca aatc 564

```

```

<210> 189
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<400> 189
aaaaattcct agataaattt cattcattaa ttttctatit tattctctat acccttcttt 60
gttttgctcg tcttcttttc ttccacaaa ttcccaagga caatccctaa aaaaactatt 120
agtcccagtg ttccggttga gataaattta ttccaacaat cctcaggtct gtggatgtct 180
agagtgtaaa tctggtgagt cagatgggct cctacagcac ccagggcagc gtagtaggga 240
gcagtctgtc cactgttcac acccactagg ctcagtgcc ccagcattgc aacactgaag 300
ccactgagcc acggcttggg attttctccg aaccgcagag ccgttgactt aagaccaatc 360
aaaac 365

```

```

<210> 190
<211> 429
<212> DNA
<213> Homo sapiens

```

```

<400> 190
ctgggttttg catgatgac tgatccactc taagtacagt gactgcagca ttagtagcga 60
gtttgatagc ccaatatttt ccaggttaag tatctagaat accagcttcc agcatgtcct 120
ttacagcagg gacttcagcc tcaatatcta atccaacgtt ttattttcct tcttgatgta 180
ctgcataaag tttagagatt acttcattgg ccttaactcc agagttttct gccagtgcgc 240
ggggaatagc ttcaaagtc tcagcaaat tcttaatagc atactgttca agtccaggac 300
atgtctctcc atatgatgtg atctgtttgg ctaattcaat ttctgttgct ccacctccgg 360
gtacaagacg ttatccctt gtaagaactt tgaaagtatt aacaccatcg ctactgccct 420
ttctatgtc 429

```

```

<210> 191
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<400> 191
aaaaagctac aatcacatca tgttgtaact acgtaaaaaa cagagctgta aatggaactg 60
cttggttttg accatacaca ttctgcca gcccttacag aatctgcaca aagaaatata 120
tccctttgct ccagtttaatt gttcttgat gtaagttgct ttctattcca gtatatccag 180
agtgggtgaaa taacaaggcc agccacgtag ccaaaggctg ctccaagcgt acaggagatg 240
ggccatacct gaggagagaa tgtatgagat caaaaaagaa caaatgtttt attattactt 300
gagcacaagt gtaacctaag tatttctata ttaaagctta atgtgctttc ttaaagaatg 360
ccaaaagtgt aataaggcca taactgcatt tatcatgaac actaaaaatg tacacatttt 420
agttaatgtg cattaaactg taacaagggc ttctggcaat 460

```

```

<210> 192
<211> 291
<212> DNA
<213> Homo sapiens

```

```

<400> 192
ccattgtggtt gcctctgttta ctgtttgtat tgaataaaaa catcttcatg tgggctgggg 60
tagaaactgg tgtctgctct ggtgtgatct gaaaaggcgt cttcactgct ttatctcatg 120
atgcttgctt gtaaaacttg attttagttt ttcatctctc aaataggaat actacctttg 180
aattcaataa aattcactgc aggataaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a                291

```

```

<210> 193
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<400> 193
ccaaagccat ccattccaag gctgccagga aatgaatgct gcccaacaac atctccattt 60
tgaagggtgg aatcattgaa gaaatcgga cttatggctc cttcagaggc aattaatcca 120
tctgagttgt agaaaagggtc aggtctttcg agaatactc cttcatgaat gtatggctca 180
attcgatcat caccatacaa gtactgctca ctctcatcca tctgacgact ctctaccatc 240
tccagccact gagagttatg ccagcgaaac ttttactct gaattttctt agcccattct 300
tcatcatatt ccgctataat atctaattgta ttatcacaga cctttcggtt ttcatatttc 360
ttatcatgca ttaggtctat gagatatgct ggagcctgtg tttccttgat tatgacgtct 420
cttgtggctt ggtggaaaac catctggtag aagacataaa ttatctgaca cacaaattca 480
tcatc                                         485

```

```

<210> 194
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 139, 163, 186, 190, 218, 302, 339
<223> n = A,T,C or G

```

```

<400> 194
ctggtgcttg ctgaaaccca ggagctgaac agtgaggagg ctgtccacct tgcttggctc 60
actgggacca ggaaagcctg tctttgggta ggctcgtgta cttctgcagg aaaaaaaaaa 120
ggatgtgtca ttggtcatna tttttgaaaa ggggaggagg ccnaagttgt tcccatttat 180
ccagtnttgn aaaatatttg acccccttgg ctgaattntt ttgcaaaact actgtgtgtc 240
tgttcactac cttttcaggt ttattgtttt tttttttgca tgaattaaaa cgttttaatt 300
tntttgcaaa caaggtctaa atgcgaggatc aaaaatggna ctgaatgggg agggatcctt 360
tgtgttctca                                         370

```

```

<210> 195
<211> 429
<212> DNA
<213> Homo sapiens

```

```

<400> 195
cctagagagc tagagaagca agtaagggcc agggccagag tcggcttcaa tggacaaca 60
gccagtgcc ctaaggcccc taactcttgc tggctgtttc ttgaccccaa gccagggttg 120
ggagtccctc gggcatccat tttttctaaa ggaactggac agagtacaca caggaaagga 180
agctgtcacc ctcttgccat ctggctccag gggcctccag tccagcattc ctcttcttc 240
ccttgattgg gtggggccac atgatgggca gccaggtctt gggctgtccc actagagcag 300
gctgcaaaaa cagccatgtt tcagtgaggc gttgatcttc ttccctggtg tcccaaccta 360

```


ccagtgccac gttacagccc agagtgagtt ctacaagcgt tgctggccta atggatgggc 420
 tgggggaag 429

<210> 196
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 196
 ctgggcccgc agtcggacct ggtgagatca gaggaggggg tgccaccagt ctgtggacga 60
 agatgagaag ctggaataga gcagaaaaca ggaggctgcc actctccatc tttcccaaag 120
 tcaactccagg agcaagggtg tcatttactg aaatgacaga ctctccattt cacatTTTTc 180
 ccccaagtgc agagtgcagg gaagcagatg ggctaaattt ttagagtcag ggttattaat 240
 gtatacttta catagtaaac tttccccttt taagtgtgca gg 282

<210> 197
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 197
 gccaacatgc catccagact gaggaagacc cgaaacttag gggccacgtg agccacggcc 60
 acggccgcac aggcaagcac cggaagcacc ccggcggccg cggtaatgct ggtggtctgc 120
 atcaccaccg gatcaacttc gacaaatacc acccaggcta ctttgggaaa gttggtatga 180
 agcattacca cttaaagagg aaccagagct tctgcccacac tgtcaacctt gacaaattgt 240
 ggacttttgt cagtgaacag acacgggtga atgctgctaa aaacaagacg ggggctgctc 300
 ccatcattga tgtggtgcga tcgggctact acaaagtctt gggaaaggga aaagctccca 360

<210> 198
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 198
 ccagtatgtc cccaggatta tgtttggtga cccatctctg acagttagag ccgatatcac 60
 tggaagatat tcaaatcgtc tctatgctta cgaacctgca gatacagctc tgttgcttga 120
 caacatgaag aaagctctca agttgctgaa gactgaattg taaagaaaaa aaatctccaa 180
 gcccttctgt ctgtcagg 198

<210> 199
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 199
 ggccacatgt agacagctag gtcagtgtt tttcctctta gggtttcttt gcagaaagaa 60
 acctccagca agggaagaga ggtgtgtgtc cacaggaagg ggctccgtgg ggatcccatg 120
 aagggatttg agctctttca gctccatgtc atttaacttt tttgtttaac caccttggtc 180
 ttctctcctt ttttgctgtc ctcttacgg accagttacc agattcagag gctaatagtt 240
 agttacttgt taatgctagt cacagccagg aggtcagaag gaattttcta cttctggatc 300
 caaatgttac ctcttagggg aagttatgcc ccctcaacta ttgtcttatt ataataatc 360
 tttccttttt ggtcctttta agtaaccact caaaactttt catttcactg aa 412

<210> 200
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 200
 ccaacaggta tataaaaggg tgctcaacat aattaatcat caaggaaatg catataaaaa 60
 ccactcgaag tactatctct caccagttag gctagctgtt atcaaaaaaa acaaaagaca 120
 acaaatgttg tgatgggtgtg gaataaaagg aactctgtgc actgttggtg ggaatgtaga 180
 ttggtagagc cattatggaa aacagaatgg aagtttctaa agaaaaataa aactaccata 240
 cgatccagca atccctcttc tgggcatata ctcaaagtaa atgaaatcac caccttgtaa 300
 atatatctgc agtccgtgtt cattgcagca ttattcatag tagccaacat ggagacaact 360
 gaagtgtccg ttgacagatg aataaagaaa ctgtgtatat atatgcctac acacaatgga 420
 atattattca tccctaaaaa aaa 443

<210> 201
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 201
 ccaaggtcag aggtgatgc aacaggccct cttctcccca gggccaggct cctgtccagc 60
 ctgggcactg cccagagtga tggcattggt ccggatgctg ttctgtctct gcttggacac 120
 cttcgcaaag atttctttca ggacagtctc aaaggctagc tcaacattgg tagagtccag 180
 ggctgaggtc tccgggaaga gcagtcatt gttttcagcg aacattcggg cctcctcagt 240
 gggcacttcc cgggcctggc tgaggctact tttgttacct acgagcatga cgacgatcgt 300
 ggcttcagca tggcataga gtccttcag ccacgcgtcc accacagcat aggtctgggtg 360
 cttggttagg tcaaacacca ggagggcccc cactgcacca cgatagtacc cttgaagaca 420
 aagttataat cttcctcag 439

<210> 202
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 202
 aaatgcactg acatttttat ttcttgcaac ccgagttaaa ttcacgtttc atttcctaca 60
 gaatgcaaaa aagacatcca caaggcaact ccacttctaa gttacaaatt actagatgtt 120
 agaaaacttt ctggaaggac agtgcactat tttttatttt ttgagacaga gtcttgctct 180
 gtcgccttgg ctactgcaa gctccgcctc ctgagttcac gccattcttc tgcctcagtc 240
 tcccagtag ctgggactac aggcgcccgc caccatgccc gactaattct ttatatattt 300
 agtagagacg gggcttact gtgttagcca ggatgggtctc gatcttctga cctcgtgatc 360
 cgctgcccc ggccttccaa agtgctgaga ttacaggcgt gagccaccgt g 411

<210> 203
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 203
 cactgagcca gcaggtgcca gggagccact cgccccccat agcttctgca cacctcagac 60
 tcaccccatc accttggcag caaagcactg gctctgccgt ctgaccctg atccaggcag 120
 cccctccgc agagaaaagg gttggggaga agcctctgca gtcctggaag atgtgggggtg 180
 ctgggtgaga ggcatcagcc ccacaaagta tgtttttgtg tcttaagata gcagtttact 240

ttgaaaaagt gaaaaaggct tccgggctgt cctctgcccc gtgagatgga ggacgctaga 300
 gaaagtgtctg agtgtcccgga gagaggcccc cgagccagtg catggaggtc cttcggcctg 360
 gctcag 366

<210> 204
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 32, 339, 363
 <223> n = A,T,C or G

<400> 204
 cctgtgccat ctggttccac attcagggcc tncactatgc catcctgtac caccatggag 60
 aacctcttga gacgtcgatt cccaaagatg gacaccagcg aatcatctag taataagtct 120
 gtctccttcc caaaggcccc agtgggatca gccaggagcc gaaccttgcc ttccgccttg 180
 tgggctcggc cccactcgcc agtcacaaag gcatcattaa cactcagaca ggccaccacc 240
 tggactccct tggccttcag agcctcagcc tgctccacaa accctggcag gtgtgtcttg 300
 gaacatccag gggatgaaggc cccaggaact ccaaacagna cacccttctt gcccttgaac 360
 agntctgccg gggtcacctt gttccctggc tccccctcaa acacctccac tgctgggatg 420
 g 421

<210> 205
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 205
 aaatgccatg atccaggatg gatttttagat cttgttgaaa gcagccacat ccatggactg 60
 cacatagtc tcaaaagcag tgatctgtct ctcagcata tctgttccaa ctttatcatc 120
 ttcaactaca cactgtattt gaagtttctt aattccgtat cccactggaa ctagttaga 180
 tgagccccag actaagccgt ctgcttgaat gcttctgacg cactcctcta atttcgcat 240
 atctgtctca tcatcccaag gtttcacatc tagtaagatg gaagacttgg caacaagtgc 300
 aggttttttg gctttctttg attcatattg tgcaagacgt tcttccctta gcctctttgc 360
 ttcttcactt tctcctcat catcagatcc aaagagggtca atgtcatcat catctttact 420
 atctgtagct ccacttcctg tagtgtcttc cacatcggca ggaccatatt tgcccaaagc 480
 tttcttcaact cctggcaggc tggccttttc cttttcgtaa gacttgatgt gattatacca 540
 acgtagggca tgacacaagt c 561

<210> 206
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 206
 ctgagaattc gtccgctccc gaggctgagc agggcggggc tgagtaaatt ccggcttacc 60
 atctctacca tcatccggtt tagtcatcca acaagaagaa atatgaaatt ccagcaataa 120
 gaaatgaaca aaagattgga gctgaagacc taaagtgtt gctttttgcc cgttgaccag 180
 ataaatagaa ctatctgcat tatctatgca gcatgggggt tttattattt ttacctaaag 240
 acgtctcttt ttggtataaa caaacgtgtt tttt 274

<210> 207

<211> 554
 <212> DNA
 <213> Homo sapiens

<400> 207
 cctgggtggg cccttgtccc ctgcaacaca ggtcagcgcc aacccccacc tgggtctgggc 60
 ctgatcaagt ggggagagga gcctttgcag gctgaatttt cgcagcatgg acccagaact 120
 tccaatacta tgttgaatag gagtgggtgag agagggcatc ctgtcttgt gccggtttcc 180
 agcttttgcc ccttcagtat gatattggct atgggtttgt cataaatact cttattatatt 240
 tgagatatct tccatcagta cctagttgat tgagagtttt tagcatgaag ggggtgttgaa 300
 ttttgtcaaa gaccttttct gcatctattg agataatcat gtgggtttttg tctttggttc 360
 tgtttatatg ctggattaca tttattgatt tgtgtatgtt gaaccagcct tgcacccag 420
 ggatgaagcc cacttgatca tgggtggataa agctttttga tgtgctgctg gatttggttt 480
 gccagtattt tattgaggat ttttgcacat atgttcatca gggatattgt tctaaaattc 540
 tctctttttg ttgt 554

<210> 208
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 208
 ccatcattga gtatctagag gagacgcgtc ccactccgcg acttctgcct caggacccaa 60
 agaagagggc cagcgtgcgt atgatttctg acctcatcgc tgggtggcatc cagcccctgc 120
 agaacctgtc tgtcctgaag caagtgggag aggagatgca gccgagctcc acgctgatct 180
 gaagatacag gagagggacg aactcgcctg gaagaaacta aagcttgacg gcttggacga 240
 agatggggag aaggaagcga gactcatacg caacctcaat gtcacattgg 290

<210> 209
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 209
 cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatagt gttgaagtgt 60
 tgggggtggg aaaatttttg aggggtggta gggagagaga atgggcatg tttctcaggg 120
 ctgcttcaag tgggattagg ggcagcgtgg gaacctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaaaggg tgatattgtg gggatgtaag aagaaacatt tgatcatatg 240
 aatgattggt gatggcctgg atacggtttt ggatgaattg agaaactaaa tggataaaca 300
 gaaggagaaa aacaggtata aaagggtctaa gaattgggag gacctaggat atctgattag 360
 agagtgccta aggagattca gcagagtcct gccagcaaag attatttatt tacttcaaga 420
 gtt 423

<210> 210
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 236
 <223> n = A,T,C or G

<400> 210

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ctgcacatca aggacatctt cggaagttc aggattgccg tagctaaact gaaaaccacc 60
atccatggac tctccaaacc aaacgtgttt cttctcagca ctagaatctg tccaccagtg 120
tttccgtgga acattcaaag gattggcact tatgcatgtt tccccagttt ccatattaca 180
gaataccttg atagcatcca atttgcattc ttggttaggg tcaacccagt attctncact 240
cttgagttca ggatggcaga atttcaggtc tctgcagttt ctacgagggt ttttacgaga 300
accatcagga ctaatgaggc tttctatttg tccattaaca gacttgagtg aagtcataat 360
ctcatcggtg ttgattttga aatccattgg ttcattctca taatacgggg caaaactgcc 420
agctttttca cctccaatcc cagcaatggc agcgggtcca ac 462

```

```

<210> 211
<211> 589
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 540, 582
<223> n = A,T,C or G

```

```

<400> 211
ccacaggggc tcacctgggc cccatggctt ttcacctaa tgggtcctgc cccctcccc 60
atgaccttca ggagcacccc atattatttc caaaaatattc ttggacagac aaggaccaa 120
atgccaaaat ctcagcggac tcgataatct gcctgctgat gttccttctg tggctgtgtc 180
tattttcagt tctgctctaa cacggcatgc ctttctcag cccaggaaac agcatgtgg 240
tcagagaaaa gagcgacaag gaaaagttag gactcctgag gtccgaacag gggcttctgt 300
tgcccacttc acaacaccca gtgatcaccg gtgtgcaatt gcctccttgg ctctgaggg 360
tgttttgccg tcccttttct catcattggg gttagcgggt gcagacaaat tcagcaatag 420
tatgcagatc agccccctac cacctcattg ttctcatctg gaactgaaac tttctggatt 480
tctcttgaag tgctacactg cactgaatgt aaggaattgt tgcttgtgga agtttctcan 540
cgtttctggc tgtcttaggg ctggcctcag aaccagcat tncgtttac 589

```

```

<210> 212
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<400> 212
ctggatacga ttcaggggtga actaaatgca cctactcagt tcaaggtaac cacttctaag 60
accataattc taaaatttgt ttcaggtgga tctgcagaca aaaagttatg taatcttcaa 120
gcaggaattt tgtatacttg tgtttcttat ctccaattag aacttccttt ctaaagtaaa 180
ctcagtcatg gttcttttgg ctagtattag tgtttcgaat ataatgtaca gagagagaaa 240
tagaaatttt taatagatgg ttttgaaacc atcctttcag aagaaaacat tgtcttttac 300
aagtcttcgt cggcagttgt aatttgactc agtcttaact tttagggccg actaaatgaa 360
ttgatgtctc aaatcaggat gcagaatcat tttggagcag tcagatctga agaaaggat 420
tacatagatg cagatctgtt acgagaaatc aagcagcatt tgaaacaaca acaggaagg 479

```

```

<210> 213
<211> 264
<212> DNA
<213> Homo sapiens

```

```

<400> 213
ctgccttctt cttgacagct tcttttagagt ctttttgtac ttgtacctgg gccagcttcc 60
aacggttgct gatttcatag attttggttg atggatcgaa cttcgtgcc tgagagacgg 120

```

09960300.023404

gagcacggtg tcccagtgag ggcagaaaca tcctaaatgg attttcaaag gactccatga 180
 tgttctgggc ttttttctgt gcaactgtca atggaccctt tttactgtct tcagcactag 240
 gttcattaaa taacgtgatg acag 264

<210> 214

<211> 219

<212> DNA

<213> Homo sapiens

<400> 214

ccaacatggt gaaaccccat ctctactaaa aatacaaaaa aaatattagc caggcatggt 60
 ggtgcatgcc tgtaatccca gctacttggg aggctgaggt aggagaattg cttgaacctg 120
 gaaggcggag gttgtagtga gctgagattg tgccattgca ctccaacctg ggcaacaaga 180
 gtgaaactcc atctcaaaaac aaaaacaaaa ctagacagc 219

<210> 215

<211> 586

<212> DNA

<213> Homo sapiens

<400> 215

ccacctcaag atgaaaacag ataactccct aaatgttaac tggctctact cccctaatat 60
 taaacataaa aaccacatgg gaaatataga aattcaaata gaagtaacat aaacctgtca 120
 taaatcgtaa acaaaaaact atttgtggga cagcatggat gacaaatggg ctactgtgta 180
 aatttttagaa tgaggcagac aaaagttaga aggccgggta attttcccct cttctcctg 240
 cttcagcttc gtctccttgg gtatccgatg tccacaatgt caagttgtct ctcagtaatt 300
 gcattattag cgtgctgtct ttgtatgact cttcacttaa tgtatcaagt tcagcaatgg 360
 cttcatcaaa agctgtcttt gcaagagagc aggctttctc tggggaggtc agaatctcat 420
 aatagaacac agagaagtta agggccagac ccagtctgat aggatgtgtt ggttgcat 480
 cctttttgct gatttcaaaa gcttcttggg atgcttgttg tgactgatcg acaatccctt 540
 tcttgtcatc accagcgga acctcagcca agtaacggta gtaatt 586

<210> 216

<211> 501

<212> DNA

<213> Homo sapiens

<400> 216

aaattcttca ttttaccagc aactgctgac atcaaagtct cccctcccc aacaacaaaa 60
 atacaattaa aaaaaataaa taataaagtc atttgtgatc gttgctgtgg ttctgagctg 120
 caaaggcact ttcaaataca gaactacttg tacgtcatca taaaaccaat atacaaaaac 180
 aactcaagag tcaataaata taaataaaac tatgatctaa gactgcatca ccattaggac 240
 atctggcaga agtgggagct caaagaccag ggggctgggc aggctcctgg gagcctgac 300
 cgagaccgtg tcggctgcaa ggggacacac aaccagggtg ctgttgacta gctttttgca 360
 tagctgtgag atgcggcact cgatttccca gccaacacaa gaaactacca ttgccagtgt 420
 aagccagctt gtcaaaactt aaattaacac agggattcta agtcagcaac ggcctcagac 480
 tcgagtatga cagcacagtt t 501

<210> 217

<211> 62

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 43
 <223> n = A,T,C or G

<400> 217
 aacctactag agtctcaata tctgctgggt accaccattt agntacaaga gaaatgaatg 60
 aa 62

<210> 218
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 218
 aaatctttgt cattcacaga cagttgtttt gcttcttctt taaagcattt gcaacagcta 60
 cagtcacaaa ttgcttcttt accaaggata ttacagaaa agactctgac cagagatcga 120
 gaccatccta gccaacatcg tgaaacccca tctctactaa aaatacaaaa atgagctggg 180
 cttggtggcg cgcacctgta gtcccagtta ctccgggaggc tgaggcagga gaatcgcttg 240
 aaccggggag gtggagattg cagtgcagccc agatgcgacc actgcactcc agtctggcaa 300
 cagagcaaga ctccatctca aaaagaaaag aaaagaagac tctgacctgt actcttgaat 360
 acaagtttct gataccactg cactgtctga gaatttccaa aactttaatg aactaactga 420
 cagcttcatg aaactgtcca ccaagatcaa gcagagaaaa taattaattt catgggacta 480
 aatgaactaa tgaggataat attttcataa ttttttattt gaaattttgc tgattcttt 539

<210> 219
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 157, 163
 <223> n = A,T,C or G

<400> 219
 aaaatgggtgc cctaccattg acacatgcag aaattgggtgc gttttgcttt ttttttctt 60
 atgctgctct gttttgtctt aaagggtcttg aggggtgacc atgttgctgc atcatcaaca 120
 ttttgggggt tgtgttgat gggatgatct gttgcanagg ganaggcagg gaaccctgct 180
 ccttcggggc ccagggtgat cctgtgactg aggtctcccc tcatgtagcc tccccaggcc 240
 cagggcctg agg 253

<210> 220
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 220
 ccagccggta tggccggctc tgcttgatgt ccacgctgtt gatgactttg ttgtgtcctg 60
 taatctcgcc cacagaagag ccactatccc agaggaagac tgctccaaac ttctcccttc 120
 ctccccgac cacggcgatc ctcttactgt cttcagtgca agcaatgtct ttgatcttcc 180
 cagcgaaagg ctggtactca tacttcaaca ggtgctcctt ctgcgtggta tcccagatcc 240
 tcagcttccc agacacatct ccggaggcaa tgtagaatcc gctgggcgca tacttgg 297

<210> 221

<211> 580
 <212> DNA
 <213> Homo sapiens

<400> 221
 ccagagcttc atccagagct cactggaagg tggcttggca ggaagagggga atcttcctac 60
 agccctcctc caagggggac agaggctggg ggcagagaag gaggcattta agctttgcta 120
 gcctcctgct gcctctgagg ctgtaggaca cgtcattcaa acctaccatc aaagtaggct 180
 tctgatttca acttggatct cacggtagcc cagtgcacacc gcagcagcca tgatgggatg 240
 taggcaggag agcgggtggcc tggaaaaccgc ttctagacaa tcctgtatta tttagatcta 300
 catagagata cagcaaaaacc ctttatacca aataagagta aataattata ccaatataaa 360
 cagggccggt gaccctttca ttttattaaa atggcacata attattaaaa cagcatactg 420
 atcactttat acttctgcta gccccaggg gagctgctgg gggcggcatg tgagtgcctt 480
 cccgaagggt acagattcat gcattgagca attcgtgttc tttatcgatt ttcccaacag 540
 catcaggatt tgagagtggg tcgaggtcag cgaagaggct 580

<210> 222
 <211> 548
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 303, 304, 374, 377, 451, 540, 542
 <223> n = A,T,C or G

<400> 222
 gctaggtagg ggcagggtggg tgatctctaa gctgcaaaaa ctgtgctgtc cttgtgaggt 60
 cactgcctgg acctggtgcc ctggctgcct tcctgtgcc agaaaggaag gggctattgc 120
 ctctcccag ccacgttccc ttctcctcctc tccctcctgt ggattctccc atcagccatc 180
 tggttctcct ctttaaggcca gttgaagatg gtcccttaca gcttcccaag ttaggttagt 240
 gatgtgaaat gctcctgtcc ctggccctac ctcttccct gtccccaccc ctgcataagg 300
 canntgttgg ttttcttccc caattctttt ccaagtaggt ttgtttacc ctactcccca 360
 aatccctgag ccanaantgg ggtgcttata ctcccaaaacc ttgagtgtcc agccttcccc 420
 tggtgttttt agtctcttgt gctgtgccta ntggcacctg ggctggggag gacactgccc 480
 cgtctagggt tttataaatg tcttactcaa gttcaaacct ccacctgtg aatcaactgn 540
 gnctcttt 548

<210> 223
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 223
 ccacttccat gccctctcca gaccaggaga cacctgctgc tgacctcgtg gaaaacttag 60
 attttgacat tctgatgctt cggaagtggg ggctcctcct ccctcacccc tccgccacct 120
 gtgggcctcc tctctgcac tcaagagaac aaccagatct ttggactcct ggggtgtgtg 180
 ccattgcaatt tagacgaagt gctttgaaaa tatgccattc agtctctgac taggaaaata 240
 agtctgacct gataggctct atgtcatcag ctcttcaaca tgagacaaaa gaggggattt 300
 tatgttttga gtcattagaa tgatataata attttctgaa ttgacatctg gatgttgaaa 360
 ttaggatggg gcaaaaagggg tccagggcct caggctgggc gcagcagcca gctcccaatg 420
 acgcagaagc tgcttcaaaa cccctcaac aaagaggggc acatgcaagt caccaaagtg 480
 ggaagccttc accaaggcca caccctaaagt ctactgattg tctgtctaaa gttcgttgat 540
 tcctgg 546

<210> 224
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 428
 <223> n = A,T,C or G

<400> 224
 ctgaaccctc gtggagccat tcatacaggt ccctagttaa ggaacaagtg attatgctac 60
 ctttgcacgg ttaggggtacc gcggccgtta aacatgtgtc actgggcagg cggtagcctct 120
 aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggttaaga ttgcccaggt 180
 tccttttact ttttttaacc ttcccttatg agcatgcctg tgttgggttg acagtgaggg 240
 taataatgac ttgttggttg attgtagata ttgggctggt aattgtcagt tcagtgtttt 300
 aatctgacgc aggcttatgc ggaggagaat gttttcatgt tacttatact aacattagtt 360
 cttctatagg gtgatagatt ggtccaattg ggtgtgagga gttcagttat atgtttggga 420
 ttttttangt agtgggtggt gagcttgaac gctttcttaa ttggtggctg cttttagg 478

<210> 225
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 225
 cctcgtgggt catgggcccg tagtcctggg gttcacagaa gttcgggtgc tgagggaaga 60
 actccttgta gccgcctttc aggatataca tctcagggtg gtagaggctg gggtagtcgt 120
 tgacagcacg gtctcgttcc ctgatgaaac ggcacatgcg gggcccacgc tcagatgaga 180
 attcacagtg gaaaatgagg atgactctct tgtccaggct acagggcgcg atggggctct 240
 tcagtaggaa gctctcggcg tcgcgttcca ggggcaagtt caccgcagtc ttgatgtgcc 300
 cgccttcata ttcatagggg tatctgcagt ctacaatcac aaacttatcc acgatgttgc 360
 tgaacttgcc cgtcaatagg gccaccatcg tttctggtga gatgtacttg aggtcttggt 420
 gctttccgtc tactgtctgt aggaggaagg 450

<210> 226
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 226
 cctgtgtcca ccacacctgg gatcattttg atagctgtat tcacttcaact ccatttgtgt 60
 acccgggtcaa acttccagtc caagataaaa ttcccattat ctgtcaccac aggaccagcc 120
 ttgttgacag ccatttcgaag ttcaaccacg ccccaaaact tctgggtcac agctcggctc 180
 actgggacat aggccatttg gatgacctcg atggggattc ccttgtgcca ctgatccccg 240
 agattcttcg aatcttttct gaaatcagcg atcacgatga agcgactagc atagccagcc 300
 acaatcttct cctgggtcag gcagcctccg ccacccttga tgagattgag atcagcatct 360
 acttcatcag caccatcgat ggcaaggctg atctctgggt gtcgatccag atcactgagg 420
 gtcaagccat actgcaggat gagctggcg 449

<210> 227
 <211> 568
 <212> DNA

<213> Homo sapiens

<400> 227

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ccttcatttt agctaagttt agaatttata ttaggcaact atgatttgag tggttattca 60
ttgagtaatt ttccactata aagaatttta ttgaacattt attaaaaaat aatgtaatgc 120
atggtcaaaa aatatgtaat tcatggtctg gacactgacg ttgtttaggg atttagtcat 180
caaggacagc cctctgttgt ttctaatagcc gtactaatca agactgtatg gacacttgca 240
tcttaagtac taaggaatta ctagtgattg ttttatttta tccatgtact cttttagtat 300
ttaataatta aatacctatt cttagtgttt gacactccat atttcttttt tttggaaatg 360
aaacaaatat gcagtccaaa attcaggaac tactagagtg aaatgatatt aagtggaaac 420
cagagataaa tgctgttaat ttaacaagta gattcttctc caaagaatga tgagtgattc 480
ttgggaagat aaatgttaat gttcccaata gtcaagcttg tcttgcagta gtgaaaagct 540
tagatgagta cggatacctc atttgaat 568
```

<210> 228

<211> 580

<212> DNA

<213> Homo sapiens

<400> 228

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ccaggctggg tttgatctcc tgacctcaag cgatccactg tcttcggcct cccaaagtgt 60
tgagattaca ggtgtgagcc accatgctcg ctgagagcag atatttgaaa tgtcactttg 120
agttctgaga aaaagtaaaa agccagaaga catactagat atataaatat attactgctt 180
aaaaagattt cctaaaaaga aatgtatcaa gtgtatgaat caaagtctga aagaaagatg 240
aagagccacc agacttctag gtaggtttac atccatcatg ttctcttga ctgcctttgt 300
ttgtcgttta gttttttgct ccactcaagc ctgttagaat caccatggaa tacagctcca 360
gtgggaaggc cactggagaa gctgatgtgc actttgagac ccatgaggat gctgttgca 420
cgatgctcaa ggatcgggcc cacgttcac ataggtatat tgaactgttc ctgaattcat 480
gtccaaaagg aaaataagac tctaggggct ccagataata agggatgaagc aagaagcatt 540
tcatttgcac atctttcttg gacttgggat atacagttcc 580
```

<210> 229

<211> 228

<212> DNA

<213> Homo sapiens

<400> 229

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ctgcctgagg aagttgatct cgtcgggtcag cccttccagg cgagactcca gctctacctt 60
gttcatgtaa gtttcatcca catccttctt gatgaggaca aattcgttct ccatctctgt 120
acgcttattg atctcatcct catacttggt cttgaagtcc tccaccagcc cctgcatggt 180
gccaagctcc gcctccagct tcagcttctc ctggcccaga gtctccag 228
```

<210> 230

<211> 149

<212> DNA

<213> Homo sapiens

<400> 230

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ccatattgac agaccaatct atgggactag ggggattggc atcaagttga cacccttgaa 60
cctgctatgg ccttcagcag tcaccatcat ccagacccc cgggcttcag tttcctcaat 120
catagaagaa gaccaataga caagatcag 149
```

<210> 231

<211> 503

<212> DNA

<213> Homo sapiens

<400> 231

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ctgctgtggt tgcctccatt acaacgggct atacggtgaa aatcagtaat tatggatggg 60
atcagtcaga taagtttgtg aaaatctaca ttaccttaac tggagttcat caagttccca 120
ctgagaatgt gcaggtgcat ttcacagaga ggtcatttga tcttttggta aagaatctaa 180
atgggaagag ttactccatg attgtgaaca atctcttgaa acccatctct gtggaaggca 240
gttcaaaaaa agtcaagact gatacagttc ttatatgtg tagaaagaaa gtggaaaaca 300
caagggtggga ttacctgacc cagggttgaaa aggagtgcaa agaaaaagag aagccctcct 360
atgacactga aacagatcct agtgagggat tgatgaatgt tctaaagaaa atttatgaag 420
atggagacga tgatatgaag cgaaccatta ataaagcctg ggtggaatca agagagaagc 480
aagccaaagg agacacggga att 503
```

<210> 232

<211> 253

<212> DNA

<213> Homo sapiens

<400> 232

```
ccaggctggt ctcaaactcc tgacctcaag tggccacccc gactcggcct cccaaagtgc 60
tgggattaca gttgtgagcc accatgccca gcccccaact tgtaaacttc ttaaattgcag 120
gaactgtatt ttattaatct ttgaatcaat attatctagc accatggcta gttaattata 180
tatgcttcat aattacctct ttaaaaatct taaaattgag agatgagttg aggggtctaaa 240
ttgcctttca act 253
```

<210> 233

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 442

<223> n = A,T,C or G

<400> 233

```
ccacagctaa catcattgca gcacctttac tcttcggct gtgatccaat ctccagctca 60
ctttttgccca gcaccaacat tggcctttgc agtccccctg actttcttca ttctgttctt 120
gcgttccttt cgttgctttc ttgaggctct tttcttctca tacaggccat gtcttgcaag 180
tctatgtttg gggtcatttt tctttgcata atccaggga tcataaatca tgccaaagcc 240
agttgtcttg ccaccaccaa aatgagttct gaatccaaat acaaagatga catccggtgt 300
gggtctgtac attttggtta gtttttcccg aatttctgtc ttaggcactg tcgccttccc 360
ggggtgaagg acatcaatga ccatttgttt cctctgaagt agtcgggttg gtcatgaact 420
ttctagtgcg gatagttacg gngtcgttca tgatggcgat ctatcttc 468
```

<210> 234

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 34, 39, 79, 217, 225, 309, 328

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<223> n = A,T,C or G

<400> 234

```
ctgaaggagc cggggagcag aaagtatatg cgtnaggtn  gaggaagaaa atagattttg 60
gaagttatga gaaatgtana gaggtagttg agcatagttt gtgattttga gggcctctaa 120
cagtattaaa gtagcggcag tcgctgcaca cagacatgat ggctaggcta aaacagggaag 180
gtcaagttgt ttggacagaa aggctacagg gtgcagncct ggctnntgtg taagaattct 240
gaccacacta accatgccta ggaaggaaaag gaggtagttt tttgtaaggg attgaggttt 300
gggagattna tcggacaccg atcagcangg agagcacctg tgtttttatg agaa 354
```

<210> 235

<211> 538

<212> DNA

<213> Homo sapiens

<400> 235

```
aaaaaaagca acttccaggg ttgtcattgt acaggttttg cccagtctcc tatagcatgg 60
tatagtata actgattttt tataacaatg actcagaggc attgaagatc cataactatc 120
ttctgaatta tcacagaaaag aagaaagtta gaagagttta atgttaagtg tattaataat 180
catattctaa ttcttttaat ttggttatct gaggtagata atataggaga gctcagataa 240
caagaaaagg caattgggta gaacactcca ttcccacagg atgtgcatta acagactttt 300
tactgcatat gtctttatat agtttgcaaa ctaattcaac cattttacac agcattaatt 360
ttttttttta ctgggttgac attgggctga aacatttgct tatcatctta taattatttt 420
ttctgttct ttaatggatt ttacccccat ctgacatagt gtttggactt tagtgtatgt 480
gacattcaa gatcatctct gccattctg atgatatgta caatgagggt acccatgg 538
```

<210> 236

<211> 411

<212> DNA

<213> Homo sapiens

<400> 236

```
ctgttaaaaa tgactacgag atgaccttca ataacgagac ttccgtcatg cctgtgagg 60
acgaccatca ttacctaag gttcagttt atttcacggg gattgatgac ctcgagaaca 120
agtcgaaaga ctacttgta gacatcatcg ggatctgcaa gagctatgaa gacgccacta 180
aaatcacagt gaggtctaac aacagagaag ttgccaaagg gaatatctac ttgatggaca 240
catccgggaa ggtggtgact gctacactgt ggggggaaga tgctgataaa tttgatgggt 300
ctagacagcc cgtgttggct atcaaaggag cccgagtctc tgatttcggt ggacggagcc 360
tctccgtgct gtcttcaagc actatcattg cgaatcctga catcccagag g 411
```

<210> 237

<211> 372

<212> DNA

<213> Homo sapiens

<400> 237

```
ccactttctg cccaggagg aggcattcct ggagaggcta gtgtgcattc atgtcttccc 60
atctgacaga gtatcctgaa atcagacca gtcctgaaaa ctccaaaaat gggaagtatc 120
tgggaaaatg cactcttccc tctcctgtag ggtctcgtcc cgcttctgcg gtgtggtggg 180
tctggagaag tctgtagaga agcactgcgc ctttgacgtg tcttctgaag aagaagaggc 240
gggatctcat ttgcttttga ggagtcgggt gttcctggtc acggtcgcat gttgtcacga 300
atccagtcta ggtagttggt aaccttggtg tacacacccg ggacatcctt ctgtccacag 360
cccaggcccc ag 372
```

09920300 09920300

<210> 238
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 238
 ctgctcagag tctccattg gtcagatgag aggtggggat gtgacaaggc aggctgttta 60
 gcacagtgac atgagcactg gcttttagagt ccactgagct tgaattccat ttccgccact 120
 tgtttagctga tgtccttgag caagtgacct cacctctctg agcctttgtc tcatctgtaa 180
 gatgggaatg atagaaaaca tgcctcatgg gacttttcaa ataactaaaa gtagaatgtc 240
 cattcaaccc agcaatccca ctactcggta tctacccaaa ggtaaagaaa tcattctatc 300
 aaaagacacc ggcaactcgt tgtttatcgc agtacgattc acaatagcaa agtcatggaa 360
 tcaacttaag tgcccatcag tgtgaactgg ataaagaaaag tgtggtatat ctacacccatg 420
 gagtattatg cagccataag aaagaatgaa atcatggttg cag 463

<210> 239
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 239
 aaatgtctgc atgcagccag ccatcaaata gtgaatggtc tctctttggc tggaattaca 60
 aaactcagag aaatgtgtca tcaggagaac atcataaccc atgaaggata aaagcccca 120
 atggtggtaa ctgataatag cactaatgct ttaagatttg gtcacactct cacctagggtg 180
 agcgattga gccagtgggtg ctaaatgcta cactactcaa ctgaaatgtt aaggaggaag 240
 atagatccaa ttaaaaaaaaa ttaaaacca ttt 273

<210> 240
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 240
 ccaccggggt tgacctctct cgctagcagg gccacccag ctcaactcccc gcgtctttcca 60
 tcccccttag gattcccatt gtccccact ccagcactag gcaggcacc ccagcccact 120
 gcgactccca ccacgaagga cccagccct ctctcagcca acacggcccc gccaccgtc 180
 tcagacatcg tgcttcttct ggtgggccag gagtctctcc tcgtcgtcga aggtctgg 238

<210> 241
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 241
 cctacacgcc gccgtttgtg ctgcagccat gtctctagt atccctgaaa agttccagca 60
 tatttttgca gtactcaaca ccaacatcga tggggcgagg aaaatagcct ttgccatcac 120
 tgccattaag ggtgtgggcc gaagatatgc tcatgtggtg ttgaggaaag cagacattga 180
 cctcaccaag agggcgagg aactcactga ggatgagggt gaacgtgtga tcaccattat 240
 gcagaatcca cgccagtaca agatcccaga ctggttcttg aacagacaga aggatgtaaa 300
 ggaatgaaaa tacagccagg tcctagccaa tgggtctggac aacaagctcc gtgaagacct 360
 ggagcgactg aagaagattc gggcccatag agggctgcgt cacttctggg gccttcgtgt 420
 ccgaggccag cacaccaaga ccactg 446

<210> 242

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<211> 465
 <212> DNA
 <213> Homo sapiens

<400> 242
 aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
 ttagatctta ttcacagacc tgctgaacag ttcccttttc agagacatag ataccatcca 120
 aaaatttcct gatataccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
 ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
 ctgaacaagc aacacctggg ctcatccgaa ccctgcggat gtatttttca cccaagaaat 300
 ttcggatttc aacaagagac ccatttctct ggataacaac gttgatgggg gaagtggagca 360
 tacacagacc tcatcttgta acggaagccc agtgtaaacac ccttgatcat gttctgtaca 420
 tgactacaaa tagtccgaac ggtagccagt tcctttctgt tacc 465

<210> 243
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 243
 aaaaatttta gcaggaaaac aaaagccaaa ccttggaag tacgatgatc ctccctgactg 60
 gcaggagatt ttgacttatt tccgtggatc tgaattacaa aattacttta caaagattct 120
 agaagatgac ctaaaagcca tcatcaaac tcaatatgta gaccagattc ctaaggctac 180
 aaaggggaca gtgggatcta ttttgaccg aaaagatgaa acaaagacac aggcaattgt 240
 atgtcagcag cttgatttaa cccacctaaa agaacgaaat gttgaagatc tttcaggagg 300
 agagttgcag agatttgctt gtgctgtcgt ttgcatacag aaagctgata ttttcatgtt 360
 tgatgagcct tctagttacc tagatgtcaa gcagcgttt 399

<210> 244
 <211> 388
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 328, 329, 350
 <223> n = A,T,C or G

<400> 244
 gtttcccagg cccactgtgc ctacagagacc agggctccag cccctctcgg agaagtctca 60
 gctaagctca cgtcctgaga aagctcaaag gtttgggaagg agcagaaaac ccttggggcca 120
 gaagtaccag actagatgga cctgcctgca taggagtttg gaggaagttg gagttttgtt 180
 tcctctgttc aaagctacct gtccctaccc catggtgcta ggaagaggag tgggggtggtg 240
 tcagaccctg gaggcccca cctgtcctc ccgagctcct cttccatgct gtgcgcccag 300
 ggctgggagg aaggacttcc ctgtgtannt tgtgctgtaa agagttgctn tttggttatt 360
 taatgctgtg gcatggatga agaggagg 388

<210> 245
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

05920300 "05920300"

<222> 587

<223> n = A,T,C or G

<400> 245

```
ctgccgtgtg aagcccacaa taaatttagg atgaagaata cggctctgtgt atccaagaca 60
gcagtcaaag ttgcttgctt ctgattcgcc gcagagggtgg agtagcagca ctgacatcaa 120
agcagccagg agcaaactct tggtagcagca catgggtttt agctcaaaga acagatctgc 180
taaaacaaat acaggttatt gattcactct tctcaacttg acagtctacc tgtggtataa 240
ctgtcaggta aaaacataca tctttacaac ttggtggtcc caagttaaaa aaaaaaaaaa 300
aaaccaacaa caaaaaaaaa aacaccattt cacagacagg aaataaacia catgaaaaca 360
gctcaagaaa taccactaacg agcaaaaata tatgaatata tgggggaaaga ggaacgtgtt 420
gttttgactt aactgaagaa accaagagga aactgggtcta cgtatgaaaa tgtgcatcct 480
ggaaagtcag gtgtcaagat ttctcgagtag gaatctatat gacttgaatc tccccctatt 540
tcctgaataa aagtgcacac ttctcagtatt tatacttcat ggctcanaca 590
```

<210> 246

<211> 586

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 543

<223> n = A,T,C or G

<400> 246

```
ccacggggac tgttattcgc aagctgggtt tctagacctg ttagctggaa gcatgggtgag 60
caccatttct ggacgctcag gccgtgtcgg gcttcagtca tctccaccac acagggtacag 120
cagcgctttc tggtagtcgc ccttagtggtc ttgctggata taatagtaca gggacttgcc 180
gtactttctc ttgaattcag acctaatatt caacatgtcc acttcactgc gggagaccat 240
gattctgatc aggaccttat ctgcgcgtccc ctggcccttc atggagtcac acagccgatc 300
agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaag cattttccag 360
gtctccttta acctctttcc tgatgctttc caacatgtca taagggtctgt aactcttgta 420
cctatcaaat actttcttga ggtggggcac gctccgctcg gtcacgatgc tgatccactt 480
gggaacatca gttcctttcc tcttcaactc agcgtcatag agatcccag catcttggtc 540
aantcagttc ataataatg acagagccat cctctgctct tctacc 586
```

<210> 247

<211> 435

<212> DNA

<213> Homo sapiens

<400> 247

```
ccaggctggg cttgaactcc tgacctcaag tgatccgctc gtctcagcct cccaaagtgc 60
taggattaca ggcgtagacc accgcgcccg gcccatacta actgttatca cgagtgttca 120
gttttcatat ttatgctcac ttgctgggtcc gcctgcagat gactctgaag gagtttgcca 180
taatgaatga ggaccaagat gatgaagagt ttctgcagca gtaccggaag cagcgaatgg 240
aagagatgag gcagcagctt cacaaggggc cccaattcaa gcagggtttt gagatctcca 300
gtggagaagg gtttttagac atgattgata aagaacagaa aagcattgtc atcatggttc 360
atatttatga ggatggcatt ccagggaccg aagccatgaa tgggtgcatg atctgccttg 420
ccgcagagta cccag
```

<210> 248

<211> 299

<212> DNA

<213> Homo sapiens

<400> 248

```
cctgcagagt gtccctccct tggctccaga acgaagatcc acacttgagg actactctca 60
gtcgtgcac gccagaactc tgtctggctc tccccgatcc tgttctgagc aagctcgagt 120
cttcgtggat gatgtgacca ttgaggacct gtcaggctac atggagtatt acttgtatat 180
tccaagaaa atgtcccaca tggcagaaat gatgtacacc tgatagcaag aagctaattc 240
atatgcttta aaccaatgaa ggcttgtcaa agagatttag ttaatggcag accttgtgg 299
```

<210> 249

<211> 186

<212> DNA

<213> Homo sapiens

<400> 249

```
ccatcaccat gtcaccaca ccagcagcgg gaagtctgtt cagccgtccc ttgatcccct 60
tcacggagat gatatacagg tttttggctc ctgtgttgtc agcacaattg attacagctc 120
ctaccggaag acccaaggaa atccggaatt tcgcaccaga ggacccacca cgtcctcgct 180
tcgaca 186
```

<210> 250

<211> 329

<212> DNA

<213> Homo sapiens

<400> 250

```
cagattctgc gataatgtgt ggacttttgt actgaatgat gttgaattca gagagggtgac 60
agaacttatt aaagtggata aagtgaaaat tgtagcctgt gatggtaaaa atactggctc 120
caatactaca gaatgaatag aaaaaatatg acttttttac accatcttct gttattcatt 180
gcttttgaag agaagcatag aagagacttt ttattttatt tagaattgca gaaatgacta 240
cactgtgcta taccagagaa ttccagtaga aagaaaacttg taactctgta gcctcttaca 300
tcacctttat tatacagcat gaaaaacca 329
```

<210> 251

<211> 457

<212> DNA

<213> Homo sapiens

<400> 251

```
caaaggctgc gataatatta ttgacctctt cctttatcag ccacaatatc ttaatgcaat 60
tcagacaatg tgtccacaca ttcttcgcta ttgactaca gcagtcataa caaacaagga 120
tgttcgaaaa cgtcggcagg ttctaaaaga tctagttaaa gttattcaac aggagtctta 180
cacatataaa gacccaatta cagaatttgt tgaatgttta tatgttaact ttgactttga 240
tggggcttag aaaaagctga gggaaatgtga atcagtgtct gtgaatgact tcttcttggg 300
ggcttgtctt gaggatttca ttgaaaatgc ccgtctcttc atatttgaga ctttctgtcg 360
catccaccag tgtatcagca ttaacatgtt ggcagataaa ttgaacatga ctccagaaga 420
agctgaaagg tggattgtaa atttgattag aaatgca 457
```

<210> 252

<211> 426

<212> DNA

<213> Homo sapiens

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```
<210> 253
<211> 177
<212> DNA
<213> Homo sapiens
```

```
<210> 254
<211> 317
<212> DNA
<213> Homo sapiens
```

```
<210> 255
<211> 469
<212> DNA
<213> Homo sapiens
```

```
<210> 256
<211> 219
<212> DNA
<213> Homo sapiens
```

<400> 256

```

ctgaaagaaa cctttgggaa tggatatcag aagatttggc cttaatatat ttccattgtg 60
accagcagca ggcttttttc cccaagaag atgatcaaaa caaaggatga tctcaacaag 120
agctgtattt taagtattta gacagttctt tgtagctgg tttctagttg gttatctagt 180
taccaatgct gcagtcctgc agtcacctat acattattt                219

```

```

<210> 257
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 430
<223> n = A,T,C or G

```

```

<400> 257
ccaatagatt tacagccatc taaagaagag cagaatgctc tcaagagctg aattatgatg 60
acttgtaggt attgattaga tgagaacacc aaccccatat tcagcagaga gttagggaat 120
gagaagtaga ggggagatgg tggtaggat cgtctttatg tagttttcaa agtcacttcc 180
gaaaaagaag atgaggtaat agttgaatat gccagcaacg gacatgagga acaggaagag 240
tatgatgcgt ttcccaaata tgtagccagg ggtgctctgc gttctctctc ctaggtaacc 300
gacaaagtac ttttgctca caaacaagta catcagtcca gcaaacgcag cagggaacttg 360
gctgcaaagt agccccgcag accagagcac agcgaggaga gtggggtagc catctacaca 420
gttctggttn gcagtgtaga cccgctcaaa ggcagggtgt ccggtcctct ggaa          474

```

```

<210> 258
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 258
cggaaaatag cctttgccat cactgccatt aaggggtgtg gccgaagata tgctcatgtg 60
gtgttgagga aagcagacat tgacctcacc aagagggcgg gagaactcac tgaggatgag 120
gtggaacgtg tgatcaccat tatgcagaat ccacgccagt acaagatccc agactgggtc 180
ttgaacagac agaaggatgt aaaggatgga aaatacagcc aggtcctagc caatgggtctg 240
gacaacaagc tccgtgaaga cctggagcga ctgaagaaga ttccgggcca tagagggctg 300
cgtcacttct ggggccttcg tgtccgaggc cagcacacca agaccactgg ccgccgtggc 360
cgcaccgtgg gtgtgtccaa gaagaaataa gtctgtagg                399

```

```

<210> 259
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<400> 259
ctggaagagg aacatcacca ccccgtagcc acaggcttgc tgtccactaa cttagatccc 60
tgagcacttg agaaagaaca taggaagttc aacaggaagt ttgaccctca tggatacttc 120
tctttaggcc ctgggtttcc caagtctcca acctgatcgt tctttctgac catttatgac 180
aacttctggt ttttctttga aagcttgttt ctaggtctct tccccagaat cccaggacat 240
gagggagaga ggggtcagga ggtataccat atttgggtcta ggcagagctt cttagacttt 300
tcagagactc agcccccaag g                                321

```

```

<210> 260
<211> 360

```

<212> DNA
<213> Homo sapiens

<400> 260
gtggatggca acagtctaatt ttaggatgat gtaataggaa ctcaacaagc taccacaggg 60
cccgcatata gtggctcgaga gacaatatac cccaatgcat cctgctgat ccagaacgtc 120
accagaatg acacaggatt ctatacccta caagtcataa agtcagatct tgtgaatgaa 180
gaagcaaccg gacagttcca tgtatacccg gagctgcccc agccctccat ctccagcaac 240
aactccaacc ccgtggagga caaggatgct gtggccttca cctgtgaacc tgagggttcag 300
aacacaacct acctgtggtg ggtaaattggt cagagcctcc cggtcagtc ccaggctgcag 360

<210> 261
<211> 303
<212> DNA
<213> Homo sapiens

<400> 261
cctttacttt attcagtgaa agtgtctatt tagactaaga ggtatatttag tttcctgact 60
cgagacatgt tgagtaaagg taatttgcca gtccctgggtg gggcaaattc tccagcctga 120
tgtgtaggga agggaggggg cctgaataat ccctgaggag tagtagaata gcagatggaa 180
cactgagaag ttatttcctt gaggatagat ttccacgatg gaaaggaaat gagagggttct 240
gagaggcggg ctagtggctt gtactatagc ataacctgcc ttgtctggtg tgtggcgatt 300
agg 303

<210> 262
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 424
<223> n = A,T,C or G

<400> 262
gtggctccca actttgaggc caatgccacc gtccggccgca tccgtttcca cgactttctg 60
ggagactcat ggggcattct cttctccac cctcgggact ttacccagc gtgcaccaca 120
gagcttggca gagctgcaaa gctggcacca gaatttgcca agaggaatgt taagttgatt 180
gccctttcaa tagacagtgt tgaggaccat cttgcctgga gcaaggatat caatgcttac 240
aattgtgaag agcccacaga aaagttaact tttcccatca tcgatgatag gaatcgggag 300
cttgccatcc tgttgggcat gctggatcca gcagagaagg atgaaaagg catgcctgtg 360
acagctcgtg tgggtgtttgt ttttggtcct gataagaagc tgaagctgtc tatcctctac 420
ccanctacca ctg 433

<210> 263
<211> 184
<212> DNA
<213> Homo sapiens

<400> 263
ccagccaggg ctggtgctgt ccccgccctac ctccacttcc tttcccttgc tcaactctgga 60
tccagtgaca gcagggtgtca tgggtcaagc ataaatcata tatagcattt tcaggcatgt 120
tcctggtagt tcttttgagt ctgacattct aataaaataa tttgtaaaaa aaaaaaaaaa 180

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aaaa

184

<210> 264

<211> 389

<212> DNA

<213> Homo sapiens

<400> 264

```

ctgtgatgag ttgataccag agtatctcaa ttttatccgt ggtgtggttg actctgagga 60
tctgcccctg aacatctccc gagaaatgct ccagcagagc aaaatcttga aagtcattcg 120
caaaaacatt gttaagaagt gccttgagct cttctctgag ctggcagaag acaaggagaa 180
ttacaagaaa ttctatgagg cattctctaa aaatctcaag cttggaatcc acgaagactc 240
cactaaccgc cgccgcctgt ctgagctgct gcgctatcat acctcccagt ctggagatga 300
gatgacatct ctgtcagagt atgtttctcg catgaaggag acacagaagt ccatctatta 360
catcactggt gagagcaaa agcaggtgg 389

```

<210> 265

<211> 475

<212> DNA

<213> Homo sapiens

<400> 265

```

gaggaattgg agaggccaga ataatcagaa aagcttttga gggggtagga tgtgacctac 60
attttcagaa caagagtggg gtagaaaagg cattccaggt gggataaaca gcggaggcaa 120
atacatgaga gggaattaaa tctgttgatg tttattttgat agtaagattg acctgcctgg 180
catcgagttg aaatagaggc aaaagacact gaatatattgc aaggagggtcc ttagaatgga 240
gtgatatgga aataagcagc cattataggt tcttgagcag gaacattttg catgaaaagc 300
actgcttttg aatgatgagt ctagaaaagg aacactgacc tctctaagggt ggcatctctag 360
ggagagacct gagtatattg ggctgagatt gagagaggag cttacttttc ttggtatatt 420
tttatattact attcaagttc tgcacatcat gtgtttactg cctatttaata aatta 475

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<210> 266

<211> 104

<212> DNA

<213> Homo sapiens

<400> 266

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cctaggattg tgggggtaat gaatgaagcg aacagatttt cgttcatitt gggttctcagg 60
gtttgttata attttttatt tttatgggct ttggtgaggg aggt 104

```

<210> 267

<211> 470

<212> DNA

<213> Homo sapiens

<400> 267

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ctgcctgtca cagaatccca tttcaaagag acggggccatc agggctgctg tctgatcttc 60
agaaattatt agctgtgcag tgactgggtg cccagcaaac agggccttgt atgcagaggc 120
agcaacagac aaagccccct tcaccagtc tccagcaatg ctgctcccat gatggtgcct 180
tgagtgggtc tagctcttct gtctgctggt tacaagtcct gatgagcctc tgggctctcc 240
tctgatctga tcagggactg aagaaacttc tgggtatggt actggtaaat cactcctcctg 300
ggaaccatga tgatgtacac aaggagagct cctgggcagt gacgggtggaa gctccactac 360
ctctgggatt agggggcactg tttccagagt ctgtgaggtc gtgaggatgt cacttatgct 420
gtgctcctgt ggctgggttct cccctccagg gagtcttttc ccagcctcag 470

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0990330-023401

<210> 268
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 268
 ctgggacccg gaaggcgggc gtcctgtct ttgtgctctt tctaccgccc ccgcgtcctg 60
 tcccgggggc tctcctagga tcccctttcc gtaaaagcgt gtaacaaggg tgtaaatatt 120
 tataatTTTT tatacctggt gtgagacccg aggggcggcg gcgcgggttt ttatggtgac 180
 acaaagtgtat attttgctaa cagcaattcc agggctcagta ttgtgaccgc ggagccacag 240
 gggacccccac gcacattccg ttgccttacc cgatggcttg tgacgcggag agaaccgatt 300
 aaaaccgttt gagaaactcc tcccttgtct agccctgtgt tcgctgtgga cgctgtagag 360
 gcaggttg 369

<210> 269
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 269
 ccaaaccaac cgcaccctg aatttctccg caaatttcct gccggcaagg tcccagcatt 60
 tgagggtgat gatggattct gtgtgtttga gagcaacgcc attgcctact atgtgagcaa 120
 tgaggagctg cggggaagta ctccagaggc agcagcccag gtggtgcagt gggtagctt 180
 tgctgattcc gatatagtgc ccccagccag tacctgggtg ttccccacct tgggcatcat 240
 gcaccacaac aaacaggcca ctgagaatgc aaaggaggaa gtgaggcgaa ttctggggct 300
 gctggatgct tacttgaaga cgaggacttt tctggtgggc gaacgagtga cattggctga 360
 catcacagtt gtctgcaccc tgttgtggct ctataagcag gttctagagc cttctttccg 420
 ccagg 425

<210> 270
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 270
 ctggagcgt cacctggttg aattcaaagt cccagaaggc cccgctggcg tgaagccggc 60
 cccttacatt ttgcgaagtg cattatagtc cttgtttttc tctccctcgt gggggcaacg 120
 accctcccc tggcagtagg ggtggggtag gtgactctcg ctagatccct ccaaagcaga 180
 ccggtggcga tgtcagcgga tgtcacgagc tcgttagctg cgttcgggga aggttggggc 240
 gtcagggagc tctcggatca cagcagcccc cgccctctcc tagg 284

<210> 271
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 271
 aaatTTtatt tcaaaagctt ggatagcttc aatatccagg ttgtggcaaa atcaggacac 60
 gtgtaaaata cttacaata cttagattc ccaaaaggta ccaaaaagta cagttaaatt 120
 aacacttccg ttacaggaaa tgtatgacgc aaataatata aaattaaaag gtgaaaaaaa 180
 ggtgacactg gtttcctaag atacaattta ctctttacaa ccagggtcca cagggtccagg 240
 ctgcagagcg gcagcaggaa gcagagcctc ccacctgctt ctggggggacc tggtaataaa 300
 aatcagccca tgatggcgct atggcctctc agacaccaca cgctgcctaa acacctagag 360

<400> 275						
atcgtgtgct	gcctggagga	gaagcctgga	gaccgtggca	agctggcccg	ggcatcaggg	60
aactatgccca	tcgttatctc	ccacaacctt	gagaccaaga	agaccctgtg	gaagctgccc	120
tccggctcca	agaaggttat	ctcctcagcc	aacagagctg	tggttggtgt	ggtgcttggga	180
ggtggccgaa	ttgacaaacc	catcttgaag	gctggccggg	cgtaccacaa	atataaggga	240

aagaggaact gctgg

255

<210> 276

<211> 460

<212> DNA

<213> Homo sapiens

<400> 276

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aaacaaccaa aaagaattgt aagggtggct tgctgccagg cttgcaactgc cgttcctggg 60
ggtgtgcatc ttcgggaaaag gtggtggcgg ggcgtccact aggtttcctg tcccctgctg 120
ctccttccgt aagaaaatga aatattctat gcctaatact cacacgcaac atttcttgta 180
ctttgtaagt cgtttgcgag aatgcagacc acctactaa actgtaaacy gtaaagagat 240
ttttactttt ggtctccgtg ggtcgcactt ctactaaggt ttacacagga attccacctg 300
aagacttggtg tttaaagtct acagcgcgca ctgttactga acgtcttttt cttcagccta 360
tacgcggatc cttgttttga gctctcagaa tcaactcagac aacattttgt aactgctgct 420
gttgctttct acatacacct tataaagtga catttcaaaa 460
```

<210> 277

<211> 348

<212> DNA

<213> Homo sapiens

<400> 277

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ctgttgatgc cagtgtcctc taactcatgc tgtccttgtg attaaacacc tctatctccc 60
ttgggaataa gcacatacag gcttaagctc taagatagat aggtgtttgt ccttttacca 120
tcgagctact tcccataata accactttgc atccaacact cttcaccacac ctcccatacg 180
caaggggatg tggatacttg gcccaaagta actggtggta ggaatcttag aaacaagacc 240
acttatactg tctgtctgag gcagaagata acagcagcat ctgcgaccagc ctctgcctta 300
aaggaaatct ttattaatca cgtatggttc acagacaatt cttttttt 348
```

<210> 278

<211> 292

<212> DNA

<213> Homo sapiens

<400> 278

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cgcgaccatt cggtggccga gagcctcaac tacgtggcgt cctggaacat gagcatgctg 60
cagacccaag acctcgtgaa gtcgggtccag gccacgactg agaacaagga actgaaaacc 120
gtcaccttct ccaagctctg agagccctcg cgtcccaggc cccagccagg gggccggcct 180
tgtcccgct catccacaga aaggaggat gggcgatgac agttgtttct atgccttctg 240
accagtttc ccagtttata actttatgac aatgagtttc tcaagcccaa gg 292
```

<210> 279

<211> 74

<212> DNA

<213> Homo sapiens

<400> 279

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ctgttgctgt cttcatgagg gcagaggagg agccgggtgg cagtgtggtt atttggtcag 60
agtgtcccct ggga 74
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<210> 280

<211> 197

<212> DNA

ttttttttta	tatcaaaaca	tttatttttt	gtgttacaaa	aacacaaata	aatccaagca	60
gataatgaaa	taaacacatt	tttttagtgt	cccatcctgg	gttctctgcc	ctagaatgta	120
ttaagcaggt	caagtttagg	ttacttcaac	acttctctcg	gatgctatga	agtctccatc	180

ttataacccat gtttctctag ttcagctcgt aactgattag agaagtcac cttctacattg 240
 tcatcatccc aattatcctc ccagacatgt gcatcttcat cttcatctaa gccagcccag 300
 tcttcggcag ggaactcttc aaactcgtcg tcttcctcta acagacctaa gtctaccggc 360
 tgctttttct ctgacatctc gactgtccgc gcccaacacc tcccagataa gcagaaaagt 420
 tggaaccctc actcntcc 438

<210> 284
 <211> 238
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 216, 221, 228, 229
 <223> n = A,T,C or G

<400> 284
 cctaccgcc gcagtactga tcattctatt tccccctcta ttgatcccca cctccaaata 60
 tctcatcaac aaccgactaa tcaccaccca acaatgataa ccatacacia cactaaagga 120
 cgaacctgat ctcttatact agtatcctta atcattttta ttgccacaac taacctcctc 180
 ggactcctgc ctcactcatt tacaccaacc acccanctat ntataaannt agccatgg 238

<210> 285
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 285
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctggttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taagaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tcttg 275

<210> 286
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 286
 aaatagctta caaggaatag tgggttatatt tatagaacat tttataaaac agatttacac 60
 ttgcaacacc aacaaaagct tgaaaataaa agtttaccta aagtaaaatt ggtggctggg 120
 tttggtggct cagccttgta atcccagcac tttgggaggc caaggtgggt ggatcacttg 180
 agttcaagac cagactggag gacatagcaa gacctcgttt atattgggga aaaaaaaaaat 240
 tatcagggtg tggcatgcac ctgtagtccc agctactctg gaagctgagg tgggaggatt 300
 tcttgagcct ggaagattga ggctgcagtg agcaacaatg gcaccactgc actcaaaaaa 360
 aaaaaaaaaa aattgagagt caataactgc aataaacttt ttttaagtata atcaaatgag 420
 ttcaactgtc acgttaagat gccttgaatt cttttgattt tctagttcca atttctagct 480
 ttaat 485

<210> 287
 <211> 505
 <212> DNA
 <213> Homo sapiens

09920300-073104

<400> 287
ccacagagat ccctgacttc aatcaggatg acttggaaga ggatgatgtg ttcctactag 60
atgtctggga ccaggctcttc ttctggattg ggaaacatgc caacgaggag gagaagaagg 120
ccgcagcaac cactgcacag gaatacctca agacccatcc cagcgggcgt gaccctgaga 180
cccccatcat tgttgtgaag cagggacacg agccccccac cttcacaggc tggttcctgg 240
cttgggatcc cttcaagtgg agtaacacca aatcctatga ggacctgaag gcggagcttg 300
gcaactctag ggactggagc cagatcactg ctgagggtcac aagccccaaa gtggacgtgt 360
tcaatgctaa cagcaacctc agttctgggc ctctgcccac cttccccctg gaggagctag 420
tgaacaagcc tgtagaggag ctcccccgag ggtgtggacc ccagcaggaa ggaggaacac 480
ctgtccattg aagatttcac tcagg 505

<210> 288
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 40, 42, 337, 428, 461
<223> n = A,T,C or G

<400> 288
caagcttttt tttttttttt ttttttttga ttttttagtan anacgggggtt tcaccgtggtt 60
agccaggatg gtctcgatct cctgacctcg tgatctgccc gcctcagcct cccaaagtac 120
tgggattaca ggtgtgagcc accgcaccca gccattatt attttttgag acaagtctcg 180
ctctgttgcc caggctggag tgcagtggca tgatcttggc tcaactgcaac ctccacttcc 240
tgggttcaag cgattctcct gcctcagcca cccgagtagc tgggattaca ggtgcgtacc 300
accacaccca gctaactatt ttttgtatgt ttagtanaga tgggatttca ctgtgttagc 360
caggatagtc tcgatctccc gacctcatga tccgcctgcc tcggcctccc aaagtgtctg 420
gattacangc gtgagccact gtactcggcc aaagctttta nagaa 465

<210> 289
<211> 480
<212> DNA
<213> Homo sapiens

<400> 289
gtgttcccag tgccacaccg ttgaaaaggg aggcaagcac aagactgggc caaatctcca 60
tgggtctcttt gggcggaaga caggtcaggc ccctggatac tcttacacag ccgccaataa 120
gaacaaaggc atcatctggg gagaggatac actgatggag tatttggaga atcccaagaa 180
gtacatccct ggaacaaaaa tgatctttgt cggcattaag aagaagggaag aaagggcaga 240
cttaatagct tatctcaaaa aagctactaa tgagtaataa ttggaaattt ccatatgatt 300
tattgttgtt ccttgtacat aagaaacagt aatatacaac ttacactgct ttagaatgta 360
aaatggataa aaatgtgtac aaaaaaagca cattcctaga aaaagggtatt ggcaaatagt 420
aaaaatggga ggtcaaaagc aaaaaaaaaa aaaaacaaaa caaaaaaaag aaaaaccaac 480

<210> 290
<211> 551
<212> DNA
<213> Homo sapiens

<400> 290

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aaatacaaaa ggtgtcttgt gttgcttaat catacagttt cgtacatfff gtatagatat 60
tcctcactct acagtcacag atttggcaag attccgtggg aaatcaacat catagcctct 120
cagcacagca aggtggaaag ccagcaactg taaagggatc acgctgagaa tgccctgcaa 180
gcagtccact gagtggggca ccttgatcgt tctttttgtg ttcttaatgg tctcagtatc 240
ctccttatca caaattacca caggccgccc ctgccgagca accacttgct gaagagcatt 300
ctgacacttg gcataagtgt gatctctcat gatgatcatg atcacaggca tcaatttatc 360
caccaaagcc agagggccat gtttcaattc accagcaagg atgccttcag agtgcataata 420
agtaatttct ttgattttca gtgccccttc aagacaagta gcataatgat agcctcgtcc 480
cattatcaga actgacttct gatgataaag ttctgttgct agtttctgaa tttcgtcatc 540
catgctcagt a 551

```

```

<210> 291
<211> 480
<212> DNA
<213> Homo sapiens

```

```

<400> 291
aaattctttg tgcagagagt ttcagcttca gatattcttc ctgtgtctat tagaccagtg 60
acagcttgtg agagagacca cttttcaagg gactggttgt aattttcaaa gaatttttcg 120
tctttaattg aagcagaaac agcagataac agtgccaagt ataaatctat actctttggc 180
tgagtgttgt tactaaggc cagtttatca tcagcgtgac aggctgccat tagccagacc 240
cagatagcag gatcacctgg agaaaggaga gctgccttct gaatggctct tagtgacgta 300
ttttttcatc ttctgctgaa ctgcttccca tagccaactg atttaccgca gtgtacagta 360
atgccttctt tccatgattt gagtccagaa tatgggccac atttcctgct acaacacctc 420
cctttgcatt tcgttgagca tactgtgcaa caactcgaga caacagagac caaagagcag 480

```

```

<210> 292
<211> 294
<212> DNA
<213> Homo sapiens

```

```

<400> 292
ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt tcccaaccct gtaatcaacc 120
cctaccagcc agcacctcct tcaggttact tcatggcagc tatcccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtcct cgctggactg 240
ctcagggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294

```

```

<210> 293
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<400> 293
ctgctgggca tgctgtgtgc ttgcatcgtg ttgtgcagaa ggagtagaga tcttgcttac 60
gagctcctca tcactggcgg aacctatgca tagttgacaa ctcaagcctg agcttttttg 120
tcttgttctg atttgggaag tgaattgagc aggtctgctg ctggtggcct ctggagttca 180
tttagttaaa gcacatgtac actggtgttg gacagagcag cttggctttt catgtgcccc 240
cctacttacc tactacctgc gactttcttt ttcttggtc tagctgactc ttcattgccc 300
taagatttta agtacgatgg tgaacgttct aatttcagaa ccaattgoga gtcattgtagt 360
gtggtagaat taaaggagga cacgagcctg cttctgttac ctccaagtgg taacaggact 420
gatgccgaaa tgtcaccagg tcctttcagt cttcacagtg gagaactctt ggac 474

```

<210> 294
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 294
 tttgtgtatt gcggaagaa ggcccagctc aacattggca atgtgctccc tgtgggcacc 60
 atgcctgagg gtacaatcgt gtgctgcctg gaggagaagc ctggagaccg tggcaagctg 120
 gcccgggcat cagggaacta tgccaccgtt atctcccaca accctgagac caagaagacc 180
 cgtgtgaagc tgccctccgg ctccaagaag gttatctcct cagccaacag agctgtgggt 240
 ggtgtgggtg ctggagggtg ccgaattggc aaacccatct tgaaggctgg ccgggctgac 300
 cacaaatata aggcaaagag gaactgctgg 330

<210> 295
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 295
 cctgacattc ctgcctgaag cttggcgctc ttgatggctt agggggcttc caagggtgatc 60
 gggcagtgtc agtcctcagc cgctaagccg agaagatctg ggaaggagtc agtcagagag 120
 ccttgggcca gagttccagg ggctctggga gtggctgccg ggtgagttga acagtccgat 180
 tttcagtggg gtcccacaca gatgggacgc ggcttaggag gaatccgggg ctgcgggcat 240
 tccttggccc agtgg 255

<210> 296
 <211> 109
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 39, 57, 79, 96
 <223> n = A,T,C or G

<400> 296
 ttgggcggat agcaccgggc atatttttga atggatgang tctggcaccg tgagcantcc 60
 aacgaggact tggctttant tgagcaattt ggctangagg atagtatgc 109

<210> 297
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 297
 ctgctgcctg gtgtactccc agatcagcag ggctccactc acatggacat tcaggggagcg 60
 gataatgccc tgttgaggaa tttccacaca aacgtccaac tgttgatca gatttgctgg 120
 aattccctca cgttcatttc ccaacaagag cagagatttc tcaggaaagc aatattgggt 180
 taggtctaaa cttttggcag tttgttccac tccaatgatg gtataacctt ctgttttctt 240
 ctgctgcaga taatcaatta gctgagggtg ttttacctcc actagaggaa gccactgttc 300
 tgacagagaca ctgagggtgct gaaactgttt gtcgctga 338

<210> 298
 <211> 476

<212> DNA
<213> Homo sapiens

<400> 298
 aaaaaaacag aaaggggag aggatgacct taactacaaa taatattcca ctgcaacatt 60
 attgctgtaa aacttccaag ctggctgttc ttccagatgc tctcttttga tggctgtagt 120
 ggctgacaga tttatattta catgttcaaa acaattaatg cttccattta ttcatagatt 180
 ctctgagggt cccgtagaac cacaccacct tctgtcatgg cactttgtag tcgtttcatg 240
 agtggaggcc gaaaccacaa ccttgccatt ctgatgctcc acaagtgtt ctacatgatg 300
 ctgagtcctt ataactcgca acctgtgcta gaactcacgg gagggaaaca ccgtccgcca 360
 gccccgctct ttcttggtta cagataaaag ctccagggtc cggggggttc gggttggtgaa 420
 ttctggggcg acagcttcat tttccacagg gtccacttca ggtttcgctg ccggct 476

<210> 299
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 218
<223> n = A,T,C or G

<400> 299
 ctgtgaagga aagaattgcc aaattctttg gaaaagatat tagcacaaca ctcaatgcag 60
 atgaagcagt agccagagga tgtgcattac agtgttcatg aagtctttag tcgaaacat 120
 gctgctcctt tctccaaagt tctcaccttt ctgagaaggg ggccttttga gctagaagct 180
 ttctattctg atccccaaagg agttccatat ccagaagnaa aaataggccg ctttgtagtt 240
 cagaatgttt ctgcacagaa agatggagaa aaatctagag taaaagtcaa agtgcgagtc 300
 aacacccatg gcattttcac catctctacg gcatctatgg tggagaaagt cccaactgag 360
 gagaatgaaa tgtcttctga agctgacatg gagtgtctga atcagagacc accagaaaac 420
 ccagacactg ataaaaatgt ccagcaagac aacagtgaag ctggaacaca gccccaggta 480
 caaactgatg ctc 493

<210> 300
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 472
<223> n = A,T,C or G

<400> 300
 gagcggccgc ccggcaggct tgccaaggag accctgttat gctgtgggga ctggctgggg 60
 catggcaggc ggctctggct tcccaccctt ctgttctgag atgggggtgg tgggcagtat 120
 ctcatctttg ggttccacaa tgctcacgtg gtcaggcagg ggcttcttag ggccaatctt 180
 accagttggg tcccagggca gcatgatctt caccttgatg ccagcacac cctgtctgag 240
 caacacgtgg cgcacagcag tgtcaacgta gtagttaaca gggctctcgc tgtggatcat 300
 caggccatcc acaaaattca tggatttagc cctctgtcct cggagtttcc cagacaccac 360
 aaactcgag cctttggccc cactctccat gatgaaccgc agcacacat agcaggccct 420
 ccgcacagca agccctccta ggagtttgta acgcagagac tctgcctggg cnatggcaca 480
 cagacctcta gtgg 494

<210> 301
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 432
 <223> n = A,T,C or G

<400> 301
 tagagccgga gctgccgcgc cagtcgccta gcaggtcctc taccggetta ttccctgtgcc 60
 ggatcttcat cggcacaggg gccactgaga cgtttctgcc tccctctttc ttccctccgct 120
 ctttctcttc ccctctggtt agtttgcttg ggagcttgaa aggagaaagc acgggggtcgc 180
 cccaaacccc ttctgcttct gcccatcaca agtgccacta ccgccatggg cctcactatc 240
 tctccctct tctcccgact atttggcaag aagcagatgc gcattttgat ggttggattg 300
 gatgtgctg gcaagacaac cattctgtat aaactgaagt taggggagat agtcaccacc 360
 attcctacca ttgggttttaa tgtggaaaca gtagaatata agaacatttg ttccacagta 420
 tgggatgttg gnggtcaaga tagaattagg 450

<210> 302
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 302
 cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
 gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
 caagatcctg agtgacatgc gaagccaata tgaggatcat gccgagcaga accggaagga 180
 tgctgaagcc tggttcacca gccggactga agaattgaac cgggaggtcg ctgg 234

<210> 303
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 417, 461
 <223> n = A,T,C or G

<400> 303
 gttgcttcct tgaagatggg actccttggg tatcaagacc tatgccacat cacactgggg 60
 ctagggaagt aggtgatgcc agccctcaag tctgtcttca gccagggact tgagaagtta 120
 tattgggcag tggctccaat ctgtggacca gtatttcagc tttccctgaa gatcaggcag 180
 ggtgccattc attgtctttc tctcctagcc ccctcaggaa agaaggacta tatttgtact 240
 gtaccctagg ggttctggaa gggaaaacat ggaatcagga ttctatagac tgataggccc 300
 tatccacaag ggccatgact gggaaaaggt atgggagcag aaggagaatt gggatttttag 360
 ggtgcagcta cgctcaccct aaacttttgg tggcctgggg catgtcttga ggcccanact 420
 gttaaccagg ctctgctggc ctgtttactc gtcaccacct ntgcacctgc tgtcttgaga 480
 c 481

<210> 304

<211> 338
 <212> DNA
 <213> Homo sapiens

<400> 304
 aaagttcttt ataggggttag ggtgtgggaa aatgctatat taataaatct gtagtgtttt 60
 gtgtttatat gttcagaacc agagtagact ggattgaaag atggactggg tctaatttat 120
 catgactgat agatctgggt aagttgtgta gtaaagcatt agggtcattc ctgtcacaaa 180
 agtgccacta aaacagcctc aggagaataa atgacttgct tttctaaatc tcagggtttat 240
 ctgggctcta tcatatagac aggccttctga tagtttgcaa ctgtaagcag aaacctacat 300
 atagttaaaa tcttgggtctt tcttggtaaa cagatttt 338

<210> 305
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 305
 ggtcgtcccg ctccctaaggc aggaagatgg tggccgcaaa gaagacgaaa aagtcgctgg 60
 agtcgatcaa ctctaggctc caactcgta tgaaaagtgg gaagtacgtc ctgggggtaca 120
 agcagactct gaagatgatc agacaaggca aagcgaaatt ggtcattctc gctaacaact 180
 gccagcttt gaggaatct gaaatagagt actatgctat gttggctaaa actggtgtcc 240
 atcactacag tggcaataat attgaactgg gcacagcatg cggaaaatac tacagagtgt 300
 gcacactggc tatcattgat ccagggtgact ctgacatcat tagaagcatg ccagaacaga 360
 ctggtgaaaa gtaaaccttt tcacctaca aatttcacct gcaaacctta aacctgcaaa 420
 attttccttt aataaaattt gcttgt 446

<210> 306
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 193, 213, 214, 219, 244
 <223> n = A,T,C or G

<400> 306
 ctgcagccgc tgcagctact cctgctgtcc gcaccgttcc acagtataaa tatgctgcag 60
 gagttcgcaa tctcagcaa catcttaatg cacagccaca agttacaatg caacagcctg 120
 ctgttcatgt acaaggctcag gaacctttga ctgcttccat gttggcatct gccctcctc 180
 aagagcaaaa gnaatgttg ggtgaacggc tgnnccctnt tattaagcca tgcaccctac 240
 tctngctggt aaaatcactg gcatgtt 267

<210> 307
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 307
 aaaaatctaa tctgccagtt tagcgttttc caccaactcg gggagctgaa actttcacag 60
 gcttcacaat cttttgctta ggtgctgcct ttgtaggctc cttagcagca gccattgcag 120
 tctttttaga tgottgctta gccttttttg cttocttagc agccctgata gcttggttctc 180
 gttgagcctt tctaacttca ggtttctgat tctctttgg 219

<210> 308
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 308
 ccacaaatgg cgtgggtccat gtcatacacca atgtttctgca gcctccagcc aacagacctc 60
 aggaaagagg ggatgaactt gcagactctg cgcttgagat cttcaaaca gcatcagcgt 120
 tttccagggc ttcccagagg tctgtgacgac tagcccctgt ctatcaaaag ttattagaga 180
 ggatgaagca ttagcttgaa gactacacag aggaatgtac cacggcagct ctccgccaat 240
 ttctctcaga tttccacaga gactgtttga atgttttcaa aaccaagtat cacacttta 300
 tgtacatggg ccgcaccata atgagatgtg agccttgtgc atgtggggga ggagggagaa 360
 gagatgtact tttt 374

<210> 309
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 402
 <223> n = A,T,C or G

<400> 309
 aaattgcatt tttaacaagt gttttttaat tagtgttcta tttacattgc agaacttcca 60
 ccaactgcag tagtttaact ttggcacaaac attaatgtcc atttcttttg ggtattggat 120
 cctgcttttt gagtgtgtat gccccaaaac gttttcaatg tcatcaaaga ttgggcaaat 180
 tcacagtaaa tcagacatct tgagttgaag aattgattct ctttcaacgt tttaggcaga 240
 tttcagtcac ctgattttaga cagcttccgt ttcacatgtc gtggagggtc ccaagtgtca 300
 ctatcatctg tttcttcttc atcctcttcc tggtcacaa taacttcatc ttcctcctca 360
 ttttctccta ataattctat acctaattct gatcttctct gnctttctgc aaaccactct 420
 ctgacctgct catagcccat atgtgatttg ttaacaagtt catcaagggtc ttgctcatta 480
 agaaacttgt gcttca 496

<210> 310
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 310
 tcggaagtga gcaaaaactgc cgcaagtctg cagcccggcg ccaccatcct gcagcctcct 60
 cctgaccacg gacgtttcca tcaggttcca tcccgaaaat ctctcggttc cacgtccccc 120
 tggggcttct cctgacccag tccccgtgcc ccgcctcccc gaaacaggcc actctcctcg 180
 gccccctcca tcgggctgag gaagcacagc agcatcttca aacatgtaca aaatcgattg 240
 gcttt 245

<210> 311
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 311


```

ctgtagccaa aaagatgctg gggcagattg tggacaagta gaagcacctc cttccccctct 60
gcgacattga acggcgtgga ttcaatagtg agcttggcag tgggtgggcgg gttccagaag 120
gttagaagtg aggctgtgag caggagcctc tgccagggga tgcaccatct gtgggggagg 180
gccgagggag actccatggt ctctgctgtc tgctctgtcc tcctctgtgg agaagagctt 240
gagttccagg aacgttttgt caaggctgct gtgactgtct ggtctgctgt cgta 294

```

```

<210> 312
<211> 522
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 394
<223> n = A,T,C or G

```

```

<400> 312
tgagcggccg cccggcaggt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gcttgtacaa 60
aacgagggcg aaggtagcga aagcacagta atcactggtg tcgatattgt catgaaccat 120
cacctgcagg aaacaagttt cacaaaagaa gcctacaaga agtacatcaa agattacatg 180
aaatcaatca aagggaact tgaagaacag agaccagaaa gagtaaaacc ttttatgaca 240
ggggctgcag aacaaatcaa gcacatcctt gctaatttca aaaactacca gttctttatt 300
ggtgaaaaca tgaatccaga tggcatggtt gctctattgg actaccgtga ggatggtgtg 360
accccatata tgattttctt taaggatggt ttanaaatgg aaaaatgtta acaaatgtgg 420
caattatatt ggatctatca cctgtcatca taactggctt ctgcttgtca tccacacaac 480
accaggactt aagacaaatg ggactgatgt catcttgagc tc 522

```

```

<210> 313
<211> 517
<212> DNA
<213> Homo sapiens

```

```

<400> 313
aaagaaagaa agaaagtggg ggaggccagg ggggcaaggg acagaacatg ggggagaaac 60
aaaggtggtc agttggggag gggagctcct gggctctccc tggctgccct ggggtggggc 120
tgagcctcag ttggagtcag agtctgagga gtccccctgag gaggaggagc tggagctgct 180
gccctcggac tcattatctt catcctcatc gtcacctcgt tcgtcgtctt cgtcctcgtc 240
atcctcttca ttctcatccc catcctcgtc ctgctcctcg ccgctggact cagaggagtc 300
gccgccatct tcagaggagt ccccatctc atcatcttcc tcttcttcat cctcgtcctc 360
gtcatcctca tcctcttcat catcctcctc ggactccgac ttggactgca gagtagtccg 420
gctggatttg gggtttgggc ctgcagctt ggtcatgctc ttacgtttat tggagatgta 480
ctctttatat gctgcacggt cctgggggaga caggctc 517

```

```

<210> 314
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 287
<223> n = A,T,C or G

```

```

<400> 314

```

```

aaatgtttta ggcaacctaa gaacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttggtattca ttacttcatg tatatcaagc acagcagtaa aacaaaaacc catgtattta 120
actttttttt aggatttttg ctttttgtat tttttttttt ttttttgata cttgcctaac 180
atgcatgtgc tgtaaaaata gttaacaggg aaataacttg agatgatggc tagctttgtt 240
taatgtctta tgaaattttc atgaacaatc caagcataat tgtaanaac acgtgtatta 300
aattcatgta agtggaataa aagttttatg aatggacttt tcaactactt tctctacagc 360
ttttcatgta aattagtctt ggttctgaaa cttctctaaa ggaaattgta cattttttga 420
aatttattcc ttattccctc ttggcagcta atgggctctt accaagttta aacacaaaat 480
ttatca 486

```

<210> 315
 <211> 122
 <212> DNA
 <213> Homo sapiens

```

<400> 315
ccactgcagg ggatggcctg atcgagctgc gcaagctgga agctgcagag gacatcgcggt 60
accagctctc acgctctcgg aacatcacct acctgccagc ggggcagttcc gtgctcctcc 120
ag 122

```

<210> 316
 <211> 442
 <212> DNA
 <213> Homo sapiens

```

<400> 316
aaattccctg ttaagttccc ctccataatt tttatgttct tgtgaggaaa aaagtaaaac 60
atgtttaatt ttatttgact ttcgcatgtc ttttcaaca gcaaatgtta aatgtgttag 120
gacttgtact agtggtgtta ctttccaagt aaaagtatcc cctaaaggcc acttcctatc 180
tgatttttcc cagcaaatga ggcaggcaat tctaagatct tccacaaaac atctagccat 240
ctaaaatgga gagatgaatc attctaccta tacaacaag ctagtctatta gaggggtggtt 300
ggggtatgct actcataaga tttcagggtg tcttccaact gaaatctcaa tgttctcagt 360
acgaaaaacc tgaaatcaca tgcctatgta aggaaagtgc tattcaccca gtaaacccaa 420
aaaagcaaat ggataatgct gg 442

```

<210> 317
 <211> 484
 <212> DNA
 <213> Homo sapiens

```

<400> 317
ctggcatgaa gaaggaatag agcatggaca cgccctggga cagcatgggtg atctctaatt 60
tgtgctctgt cttaaaatag tgcaggaact gtttgagggg catctcctca ccattagggt 120
gcagcccttg tacctcaaag cgatcccaca atgtccactc ttggttatag tactgggtgac 180
gtggtgcggc aaggggttca gagaaaccaa agaaaggcag ggccaagttg aggaaaccat 240
tcttgttaga gtcaagctgt cgggtgccct gcacaacctt gtacagctcc agacacacaa 300
ggccaaccac ggctgctgtg gtcgtggcaa tggctgggat gatcttcctt gcaatcagct 360
tgctcttggt ccggtctgca gaaggaatgt catagttttc tgcccggagg ttggatgcag 420
ccacgatgaa atccatatga aagttgctgt catcatcctt ctcaaagtca atgggggtaca 480
tctt 484

```

<210> 318
 <211> 395
 <212> DNA

09920300 "073401

<213> Homo sapiens

<220>

<221> misc_feature

<222> 298

<223> n = A,T,C or G

<400> 318

```
ccaggggtgct tttggaaaca tgtgtcgtgg aggccgaatg tttgcaccaa caaaacctg 60
gcgcggttg catcgtagag tgaacacaac caaaaaacga tacgccatct gttctgccct 120
ggctgcctca gccctaccag cactgggtcat gtctaaagggt catcgtattg aggaagttcc 180
tgaacttcct ttggtagttg aagataaagt tgaaggctac aagaagacca aggaagctgt 240
tttgctcctt aagaaactta aagcctggaa tgatatcaaa aaggtctatg cctctcancg 300
aatgagagct ggcaaaggca aatgagaaa ccgtcgccgt atccagcgca ggggcccgtg 360
catcatctat aatgaggata atggtatcat caagg 395
```

<210> 319

<211> 458

<212> DNA

<213> Homo sapiens

<400> 319

```
ctgtgatggc ttggagaaac agtgtaaacc ggcagtgtaa acaagagcag ggcattgtatg 60
agtagttgag aacggtgaat aggagtatga ctagacagaa gatagtaggg atgacaagtt 120
ttttggggca cagtctaagt tggtcgggtg tctggaatga gaatgggacc taataaaaag 180
aagcgtctat acaggagctt aaatgggctg taccttgtag cattctgagg acaggctctga 240
cttctgagga gggaaagtgg taaaagtatt gtccagtcct ttttaagttg gtggctgagc 300
ttgtttgaggt gtgtttttta tagaccatta gtctgtcact gaataactaag agcctgaaaa 360
actgcttggc tgattttgact aataaaggct ggtctgttat cagactgtat agaggtggga 420
aggctaaact gaggaattat gtctgacaga agggaaga 458
```

<210> 320

<211> 498

<212> DNA

<213> Homo sapiens

<400> 320

```
aaacatgata gtccataacc atttttgaaat gctgggcaaa ctacatgaag ttattttataa 60
ttaattcaca gctaatacagg cattttgaaa gcttaattgg attcaaaaac cataatgttg 120
gaatttggtg aaattttaat gttgattttt actgtgaaaa ggtttttata agatatacac 180
accctagttt aatgttgtgt cttgggtgtg atttacagat ttactacagg tattctgaac 240
caggaacaca atcaggtttc aggccagttt gatactggct gtccttaatt ctaatatgag 300
agtaggacat cataactaaat gttatgtcag tgggactgta ctgtctgtgg aacttagcaa 360
attaatcatt ttcttcagac ttgaaggaga gtgataaata aaatttggag tcataggata 420
ttgatgcaca atttaaggat taaacatttt taatcaattg tggatgatgg cttattaaat 480
gttgacttcc tagtataa 498
```

<210> 321

<211> 283

<212> DNA

<213> Homo sapiens

<400> 321

```
ccacagcctg agtgacgaat ttcttactga atgtaccaag ttccaatttt taaggggggg 60
```

```

aaagggtttca aatgggggaaa aacacacaaaa aaaaaaatcac taaaaaattcc cacaaatctt 120
gtttctggca ctttagaaaaa actgcaaaaaa aatacgtaat aaagaatata tatatatata 180
tctacacaca aattatatat ctatctatct atacagcgga accacaagag agactgagga 240
aggatttttt tcaatgtcct ttccaaaaag tggcagtaag cag 283

```

```

<210> 322
<211> 240
<212> DNA
<213> Homo sapiens

```

```

<400> 322
ctgtcacctt ggacttggtg gagatgcagg ggctagaaaag gaaatgacag agtgtacagg 60
ccccctcgac ccggtgtccc ataggtggtg gccccagac acaccctctc tgctggcagt 120
gcagaacatg catcccaata ccctagagga gaaacaccac ccagggaga gccctttctg 180
ctccaacctc ctgggcaggt ccaggttgg ggcagcagcc atctgcaggt gtttgtcagg 240

```

```

<210> 323
<211> 317
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 58, 173, 175, 244, 264, 301, 304, 305, 306, 314
<223> n = A,T,C or G

```

```

<400> 323
ccaattcttc ttctcccccc caccctaaaga catgtgagca actgctaata aaaagcanta 60
aacagccgct taggctatag cagtttcaac ttactctga ggtgaagatt ccaattacat 120
tcgagactta agttctttca attttttctt aacaaaagtt cctgagtcca gtnntntaca 180
tattacagca ctacgagatc agtgtctaca actcatcttt ttctgctgta tcctcttcac 240
cagntggggg agggcctgca cttncataga gtttgctgat aattgggtga acaatttctt 300
ncannncctt cttntta 317

```

```

<210> 324
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 394
<223> n = A,T,C or G

```

```

<400> 324
ctgttcttag gggtcactga gcgtctacct cctcctccag aggaggctgg ctgagaacgc 60
ctagaggagg gggccgggga tgcaccccc accagaggct gccttcagcg tctcacgggt 120
gcaggacagc gctcaggctt gggctctaag ctctgtgtct agtgtagaac atggggaagg 180
agcatcttag gaactgctga agtaacttct tactgctctc acaattctaa ggaagcggga 240
gaacggcctc ctaccaacag cgcccacccc agagctgcct gggaaagggc agttttactg 300
aaagggtgctt tactgttcac ctgcatcttt cagcagctcc cctcctgccc tcacctgggtc 360
ttttccctct ttatcccaag cctttatgct tgantccctt ccccaggggc tgcccacccg 420
acagttccag gcattcccta cctgagcttc ttgtctgctt ttccttctcc cactgcaa 478

```

<210> 325
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 325
 ggaagggctg ggggcctgaa taatccctga ggagtagtag aatagcagat ggaacactga 60
 gaagttatTT ccttgaggat agatttccac gatggaaagg aaatgagagg ttctgagagg 120
 cgggatagtg gcttgtacta t 141

<210> 326
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 326
 aaacaaagca gtgcagttct tagccaaggg taagtactgc aactgtcgag agcatcttgt 60
 cttccacaca gttgggtgac tctccgtttt gacacaaaga taagccttgc ccttgtttcc 120
 ttttgggagg gatatatcca ctgagatgag aggccaaact ccgtttttca cgagatTTTT 180
 tgactttgag cttcatTTTT ttcttgtcag gatcatgtac aacagcatgc ctagtgagac 240
 tttgtttcat tgcaaatggt ttgccacagc cagcatgttc acacacaaaa gggcggcttt 300
 cctcatggaa ggagaggata tggcttttga gattaaacac agttgtatag gttcttccac 360
 agccttctct tggacagcga catacatccc tttctggggc atgagttttc atgtgttgct 420
 taaggtaatc tttgcgttt 439

<210> 327
 <211> 538
 <212> DNA
 <213> Homo sapiens

<400> 327
 aaagatcaat ttccccagag ggtgtgcaat gcatcataaa atggcccttt tttgaggatg 60
 ggagaggaag ggttgggcag gatggaatat taaattgtaa catgataaac atgcaagact 120
 gttatccaat ctagataatt tatatacatt ttgatgactt aggaaaacaa agcaatcatt 180
 tgtgacaagc ctaaaaagct tgacatatTT aacatactta ggaactTTTT ttgtgcggtg 240
 ggaattctct aattgtatca tgtgggcctt ttgaaagtaa caaacagaag gccagtctgt 300
 tgcaagtttg ctgctgaaca tcacattcca ccctaagaaa acacaagggtg gattgcatcg 360
 aggggtggata ccttacctta gcacagaagg aaaaagtatg tcagtgcaaa gtatggacta 420
 aactgctttc aggaaaaaag ttgtaaaaat tgatacaggt tggaaaaggg aattttcctt 480
 cccggttggt agtcctcca atttaaggca gaacccatcc actccaattt ctgcagtt 538

<210> 328
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 328
 ctggctctta cctcctggct ttctctccta caaacacacc cattccttgg gggcttgtaa 60
 cacagtgcga ggtgggtcac caacaggcat cagactgggt tagtcatcag cgggtagctg 120
 gtaggcttgg aagacgctga gcagatcctt cataccagcc gtgtatggga caccctgcat 180
 gcggaccaag gtcctgact gggacaacac tgagggtggga gcagaggcca gggcagcagt 240
 ggggtgtagt aggttagcca cagtgggtgg ggagactggg gggcttgggt agtaggctgt 300
 gtagttcagg tagagttgag tggctggccc tggatagtag gcaacagggg tgggggcagc 360

aggcaccctg gcag

374

<210> 329
<211> 270
<212> DNA
<213> Homo sapiens

<400> 329
ccaggtagag gccaggagc agggccagca cctccatcac caccacacc agcgctgtgc 60
ttgcacacag gccagcacc tccgggaaga accttttctg aatgcccagt gccatcccag 120
ccaggagcac gtaagtaat aaggccatcg tggggatata gaggtcaggg gcgttgagg 180
cttgccgggg gggcagagga gcatcacgac tgtactgcac tccccagttc tgggtgtgtg 240
aggggaagac cagcagccct agcttcttgg 270

<210> 330
<211> 402
<212> DNA
<213> Homo sapiens

<400> 330
aaaataagca caccaagtta tatgactaat ataacttgaa aattttttat actgaggggt 60
tgggtgataac tcttgaggat gtaatgcatt aataaaaatc aactcatcat tttctacttg 120
ttttcaatgt gttggaaact gtaaaatgat actgtagaac ctgtctccta ctttgaaaac 180
tgaatgtcag ggctgagtga atcaaagtgt ctagacatat ttgcatagag gccaaaggtat 240
tctattctaa taactgctta ctcaacacta ccaccttttc cttatactgt atatgattat 300
ggcctacaat gttgtatttg ttatttatta aattgtgatt gttttattat tgtttatgcc 360
aaatgttaac tgccaagctt ggagtgacct aaagcatttt tt 402

<210> 331
<211> 351
<212> DNA
<213> Homo sapiens

<400> 331
ctgggaaatt gagtttttga ctgaaacatg gagccttcac tgcttttttt ctgggttccta 60
tgaagatttg gaacatagaa aacacaaaaa ctcaccttaa aatttgagca ggctcgttgat 120
ggcaaaaata attttaagga aaaaggaata ttcttatgta gttattctaa agtttaagga 180
gcgttgttga ccataatatt gcttagtttt cttactgctg ttaagtaagt aaattgtttc 240
aaagtaggtt ttgtgtgtgt gtgcctagtg taaaagaact gaaattttga tgcttacagc 300
acttggctcg tgcatttgta tcaaaatttg cctgcctctt tatgaggag g 351

<210> 332
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 92, 472, 473
<223> n = A,T,C or G

<400> 332
cctatgtttt gaacgagacc aatctgttgg agaccctaaa attgacttaa ttagaacatt 60
aaatattcct gtattgactg tcatagagtg gncccagggt cacttcctca gggagatcat 120

05920300.073401...

```
<210> 333
<211> 342
<212> DNA
<213> Homo sapiens
```

```
<210> 334
<211> 280
<212> DNA
<213> Homo sapiens
```

```
<210> 335
<211> 447
<212> DNA
<213> Homo sapiens
```

```
<210> 336
<211> 196
<212> DNA
<213> Homo sapiens
```

<221> misc_feature
 <222> 119, 170, 183
 <223> n = A,T,C or G

<400> 336
 aaaaaaaaga cattttattca gcgtcacgat cagactgtta catttagcaa tcaacagcat 60
 ggggtgcaaa aaaaaaaaaa tctacattaa aaccctttgt tggaaatgctt tacactttnc 120
 acagaacaga aactaaaata acctgttata caattagtca caaatacagn cctcgagttt 180
 ttngcccata cacatg 196

<210> 337
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 337
 ctgacgcgtc atttcagcat ttttccagcc ttttttgaag ctctctagga agccttcccg 60
 tggaggtaat ttgtccaggt catgtacaac acgctggggg attttaagta cagtgcgtac 120
 tgctggaatc cggagacagg atacttggaac cagggaaaac agattggagg agagccagta 180
 cataaacact gccgtgggga aatgcatggt tatgggcaag gttatcaggg gcatcattct 240
 gatgacattt ctcatccact gaaggtcaga actttgcaca cctgtctcag cacctagctc 300
 aagaacagcc cacattgtag cagtgcactgc cagtggtaat atgtagatgg gatcggatac 360
 cgtgagatcc tggaaaccacc agaggccacc tgtctgcagg ctgggcacag gaaggttgg 419

<210> 338
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 338
 aaatgcaaat ttttacatta aaatatgttt ataaatcata gtagttgttt tccctcttga 60
 ttcaacattt ctccctcccc taacaggagc cctagaacct gaagagcatg tacattacta 120
 acgatata caatccagcc accctgtcca aactggaatc tgattactaa tggactacac 180
 tcgaggctgc ccccaaggga tgggaagcag taactacgct ctcaaggaga atgggtactg 240
 aggatgccac cagtcaaaga gccgaacgct gtgcactggg tccaggatga cttgcacacc 300
 ctgttcactg cgcagtttcc gaccaccatg gacaggggaa tcttgggaaca ccagtctcac 360
 tcatgatgc cgcagtgtccg tgcacacatt gatagtaaac agagtaata tcattcccat 420
 gacaatcgga ataaagatga aattgagggg ggtgacctgc agtaggcagc agtcctggtc 480
 tggattggtg t 491

<210> 339
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 339
 ccatacaggg ctgttgccca ggccctagag gtcattcctc gtaccctgat ccagaactgt 60
 ggggccagcg ccatccgtct acttacctcc cttcggggcca agcacacca ggagaactgt 120
 gagacctggg gtgtaaatgg tgagacgggt actttgggtg acatgaagga actgggcata 180
 tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
 ctactgcgaa ttgatgacat cgtttcaggc caaaaaaga aaggcgatga ccagagccgg 300
 caaggcgggg ctccctgatgc tgg 323

<210> 340

05920300 "073104

<211> 512
 <212> DNA
 <213> Homo sapiens

<400> 340
 gctcccccta ctgcctatat cgacttcgcc cggcagaagc tagatcccaa gattgctgtg 60
 gctgcgcaga actgctacaa agtgactaat ggggctttta ctggggagat cagccctggc 120
 atgatcaaag actgcggagc cacgtgggtg gtcctggggc actcagagag aaggcatgtc 180
 tttggggagt cagatgagct gattgggcag aaagtggccc atgctctggc agaggggactc 240
 ggagtaatcg cctgcattgg ggagaagcta gatgaaaggg aagctggcat cactgagaag 300
 gttgttttcg agcagacaaa ggtcatcgca gataacgtga aggactggag caaggctcgtc 360
 ctggcctatg agcctgtgtg ggccattggg actggcaaga ctgcaacacc ccaacaggcc 420
 caggaagtac acgagaagct ccgaggatgg ctgaagtcca acgtctctga tgcggtggct 480
 cagagcaccc gtatcattta tggaggctct gt 512

<210> 341
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 341
 ctggtaggga gcaattctat tatttggcat tgcattggctg ggttgaatta aaacagggag 60
 tgagaacagg tgagtctaga agtccaactc tgaaaaggac cactgtacat ttgaacacac 120
 ggctgtgtta aagatgctgc taatgtcagt cactgggtgc actaaaggat ctcttatttt 180
 atgtaaaacg ttgggattga caagatagat ctgatactct gttaagttaac cctctgaagc 240
 tacttcttgt gaaataactaa tgacagcatc atcctgccaa gcgaaagagg caggcataag 300
 caaggacaaa ttaaaagggg gtaagagcct tatcatgatg aggagtcttg ttttgacatc 360
 ttgggaaaag ctgtccatag tgtgaagtcg tcaatttctc accatgggtt gcagtttgcc 420
 tgtctctagt taggtgaagt ctctgagtgg cacacacctc agg 463

<210> 342
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 342
 cctagtttga tgcgggtcgg tcctgcccaa ggccccagtg aggggagccg aggctaggaa 60
 ggggcaagtt ttatgtgttt gggagggggg gtctcttccc ggctctgcg tcttccccct 120
 ggagcgtcag tatggtcggg ctctggtgac ccagccgctt tgctctccga ctttgggaag 180
 agtagcaagg agaggctctg gcaagtacac cctgggtgac aaacggctat gagagttccc 240
 aggtgatttc tcgagcagct tcagtttacc ggagcccagc caggagagag aatttttagca 300
 caggaaacgc aatcccgtgt ccaagctcct agaataccca ggactgagaa ccaaagcaac 360
 agacttttcc cagggagcca cactgcctcc ccacctcttc ttttaaccct cacttggca 419

<210> 343
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 343
 ccttggtgtc ttcacatata ttctctgagc caacatctat ccagcagccc tgacctcctg 60
 ctataattta agtctatttc cttttaatct aataagagtt gatagtaaaa aggcaggtga 120
 tggaaatcag tgtataaatc acaatggagt atattggcaa ctccacagct tatagtttga 180
 taaaggcaaa tacatgaaaa ataaaaatgc tactaatgcc ccaaggtgtc tatcaaaatg 240

0950300-073101

atgtaggggg tatcttaaac tgtccaaggc aatcatgcat tgaactttat tcctatgcag 300
 agccaaaacg aatagtgttg ataaaaatagc taaactttct aaactggaga ggaggctaca 360
 gtgccagaga gttattgtct cttttgcttt 390

<210> 344
 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 344
 ctgaagaaat cgaaaggatg gttaatgatg ctgagaagtt tgctgaggaa gacaaaaagc 60
 tcaaggagcg cattgatact agaaatgagt tggaaagcta tgctattct ctaaagaatc 120
 agattggaga taaagaaaag ctgggaggta aactttcctc tgaagataag gagaccatgg 180
 aaaaagctgt agaagaaaag attgaatggc tggaaagcca ccaagatgct gacattgaag 240
 acttcaaagc taagaagaag gaactggaag aaattgttca accaattatc agcaaactct 300
 atggaagtgc aggccctccc ccaactgggtg aagaggatac agcagaaaaa gatgagttgt 360
 agacactgat ctgctagtgc tgtaatatgg taaatactgg actcaggaac ttttgtagg 420
 aaaaaattga aagaacttaa gtctcgaatg taattggaat cttcacctca gagtggagtt 480
 gaaactgcta tagcctaagc ggctgtttac tgcttttcat tagcagttgc t 531

<210> 345
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 345
 ccatcataga agcattaagg aaggagagga atacatagat ttgagatcta tttgtaagta 60
 gaactaatgc atcttgctga gtgttgatc tgtaagacta caggaaggac gggaatcaaa 120
 aatggtttct gctggacgag gtggctcatg cctgtaatcc cagcactttg ggaggccgag 180
 gtgggcggat cacctgaggt caggagtttg agagtagcct gg 222

<210> 346
 <211> 516
 <212> DNA
 <213> Homo sapiens

<400> 346
 ctggggccac tgtcggcatc atgattggag tgctggttgg ggttgctctg atatagcagc 60
 cctggtgtag tttcttcatt tcaggaagac tgacagttgt tttgcttctt ccttaaagca 120
 tttgcaacag ctacagtcta aaattgcttc tttaccaagg atatttacag aaaagactct 180
 gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccatctctac taaaaatata 240
 aaaatgagct gggcttggtg gcgcgcacct gtagtcccag ttactcggga ggctgaggca 300
 ggagaatcgc ttgaaccogg gaggtggaga ttgcagttag cccagatcgc accactgcac 360
 tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
 tgtactcttg aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaaacttta 480
 atgaactaac tgacagcttc atgaaactgt ccacca 516

<210> 347
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 347
 aaaccaaatt ctaaccagcc tatccccagg tagggggagc ttggttatat tctgttagag 60

ggggacggtc gtattttccct ccctaccgc caagtcaccc tttctactgc ttttgaggcc 120
ctccctcagc tctctgtggg taggggttac aattcacatt ccttattctg agaatttggc 180
cccg 185

<210> 348
<211> 293
<212> DNA
<213> Homo sapiens

<400> 348
cttgaggctt tcaggggttg tgacatcaag gctcaacctg tggatcagca ggacccagga 60
atctggagat caggaccccc aggaggcaca gaaagcatca tctgcaaccg agaggactca 120
gtggggacag aaatctgact cctcgtctga cgctgagggtg tgacaagccc cgccaagaca 180
gacctgcaag tcttcgtctc aagggacctc cctcatgcca ggcccctgcc tctcacagca 240
gcaccccttc ctctcattgt ccctgttccc tttttgctg tggatctgtt tgg 293

<210> 349
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 563
<223> n = A,T,C or G

<400> 349
ccaccatcat ttaatgacat tcaattaagg atttcttgaa caatttctac caaaaaaata 60
atttctctct ctaaaacatt gataaaattg ataactgggt acctaacagt tgcaaaacat 120
gtctacacca ttcttttagta tgaaaagcaa cataaaaaaa tggagcatca aaatatttta 180
tttcaaattt attttatgcc agatccaagc tgtaactgga acctattccc agtctatggg 240
tttctgaatt tcatttttct atttattgta tttttatgag aaacttggtg taatgagtct 300
gtaccacttt atttgacatt tactaaagct gtataaaagc cgtgcacagt ttatttacag 360
tattgtacat taaatgataa tgtttgaaga tcacacaaag atttcacaaa actataacta 420
atacagaaag atgtgtgaaa acattagggg ctttcaaaat tttagggtatg gaattttgca 480
aagattattt tggcttataa gtgttaggca atcactaacc tgaaataagt gacaaaaaca 540
tgcagatgat taccatttca acnaatg 567

<210> 350
<211> 528
<212> DNA
<213> Homo sapiens

<400> 350
cagagatcac gccactgcac tccagcctgg gcaacaagag tgaaactccg tttcaaaaaa 60
aaaaaagaaa ttagacgtta aaaaaagatg tgacacatca tatcaaaatt gtctacacta 120
cattaaagga gttaaaaaata ctgaaatgta gcaagacgaa cttgtctcga gacagggtct 180
tgctctgttg ccagggtcgg ggtgcagtgg cgccattatg gctcactgca gtctcgacat 240
ccgcttctca cgcaatcctc ctgcctctgc ctcttgagta gctaggccta cagctatgtg 300
ccactacgcc cagctaattt tttgtataga tgagggtttg ccttttttcc tttctgtaga 360
gatgagggtt tgccatgttc gccaggctgg tctcgaactc ctgacctcaa gtaacccgcc 420
cacctcagcc tcccaaagtg ctgggataac aggtgtgagc caccaccacg cacagccaaa 480
aatgcctttt tttttttttt gagacggagt ctgcgtctgt catccagt 528

<210> 351
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 192
 <223> n = A,T,C or G

<400> 351
 tttttttttt tttttctggc tctagagggg gtagaggggg tggtataggg taaatacggg 60
 ccctatttca aagattttta ggggaattaa ttctaggacg atgggcatga aactgtggtt 120
 tgctccacag atttcagagc attgaccgta gtataccccc ggtcgtgtag cggtgaaaagt 180
 ggtttggttt anacgtccgg gaattgcata tgtttttaag cctaattgtg ggacagctca 240
 tgagtgaag acgtcttggt atgtaattat tatacgaatg ggggcttcaa tcgggagtag 300
 tactcgattg tcaacgtcaa ggagtcgcag gtcgcctggt tctaggaata atgggggaag 360
 tatgtaggag ttgaagatta gtccgcc 387

<210> 352
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 465
 <223> n = A,T,C or G

<400> 352
 aaacaatttg ttaaaaaatt ttccgtctta ttccatttct gtaacagttg atatctggct 60
 gtccttttta taatgcagag tgagaacttt ccctaccgtg ttgataaat gttgtccagg 120
 ttctattgcc aagaatgtgt tgtccaaaat gccgtttagt ttttccttat ttctcttgct 180
 ctttcgtaca gggaggaatt tgaagtagat agaaaccgac ctggattact ccggtctgaa 240
 ctcatgcac gtaggacttt aatcgttgaa caaacgaacc ttaatagcg gctgcacat 300
 tgggatgtcc tgatccaaca tcgagggtcg aaaccctatt gttgatatgg actctagaat 360
 aggattgcgc tgttatccct agggtaactt gttccgttgg tcaagttatt ggatcaattg 420
 agtatagtag ttccgtttga ctggtgaagt cttagcatgt actgntcgga g 471

<210> 353
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 353
 ctgaagatga tgaggatgac gatgtcgata ccaagaagca gaaggccgac gaggatgact 60
 agacagcaaa aaaggaaaag ttaaaactaaa aaaaaaaggc cgccgtgacc tattcaccct 120
 ccacttcccg tctcagaatc taaacgtggt caccttcgag tagagaggcc cgcccgccca 180
 ccgtgggcag tgccaccgc agatgacacg cgctctccac caccacaacc aaaccatgag 240
 aatttgaac aggggaggaa aaaagaacca aaacttccaa ggccctgctt tttttcttaa 300
 aagtacttt 309

<210> 354
 <211> 321

09960300 073101

<212> DNA

<213> Homo sapiens

<400> 354

```

cggccgaggt ctgttcagta tggcaaaggg cagacttact ccttcaccca ctctgctgcc 60
ttgatgaggt gaacacactg gaataagatg gagggcagga tacctgccaa agcttgagga 120
atgagatgat ctgaaacaat tgggcaaagg ctggacattt caaaaagctg acttccaact 180
gcagtttatg ggtatagaat ttgatgcttc cctcaagtcc tgactgctct ttctgaggca 240
gccaggctag gccaaagaaat gagctgctcc agcttctcca gagcacagca gcctcccagg 300
gcctgtcagc atctgcagca g                                     321

```

<210> 355

<211> 357

<212> DNA

<213> Homo sapiens

<400> 355

```

ccaaacttgc atttgcattt tgcactcatg acgatgatga tgcccatggc gcacagaacc 60
ccagcgcaga tgagcccgcc aacctggagg ctgtgccagt catagtagaa aggactgttt 120
ttatcttcta ggtcattggc gtccaggaca ggaaagcctg ccaggaacac aagcaggccc 180
agggtcacct tctgcatgtc agagcgtggt cctcttaagc ctctttccag gggctcctcc 240
aagccacctc tggcctgcaa ggccccacta taccctcttc ccatgatgtc atccagccaa 300
gactgacaga tggatatctc ctgcgccag cctctgtgtg gttcaccagg ctgagca 357

```

<210> 356

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 405, 406

<223> n = A,T,C or G

<400> 356

```

cgccgcgct tgtgctgcag ccatgtctct agtgatccct gaaaagttcc agcatatitt 60
gcgagtactc aacaccaaca tcgatgggcg gcgaaaata gcctttgcca tcaactgccat 120
taagggtgtg ggccgaagat atgctcatgt ggtgttgagg aaagcagaca ttgacctcac 180
caagagggcg ggagaactca ctgaggatga ggtggaacgt gtgatcacca ttatgcagaa 240
tccacgccag tacaagatcc cagactggtt ctgaaacaga cagaaggatg taaaggatgg 300
aaaatacagc caggtcctag ccaatggtct ggacaacaag ctccgtgaag acctggagcg 360
actgaagaag attcggggcc atagagggct gcgtcacttc tgggnncctt cgtgtccgag 420
gccagcacac caagaccact ggccgcgctg gccgcaccgt ggggtgtgtcc aagaagaaat 480
aagtctgtag g                                     491

```

<210> 357

<211> 237

<212> DNA

<213> Homo sapiens

<400> 357

```

ctgttgctgt tattacagtc cagcttagaa gacaatacgt caggaaatat gaaggagaag 60
ctgaggaacg aaagaaactt cgacaagaga atggaaatgt acatgctata gcataactga 120
agataaaatt acaggatatc acattggagt cactgccaa gtcatagtcat aaatgatgag 180

```

tcggtcctct ttccagtga tcataagaca atggaccctt tttgttatga tggtttt 237

<210> 358

<211> 434

<212> DNA

<213> Homo sapiens

<400> 358

```
ctggggaggg cagcaatcta gcacgtttac caggctcaca gatggctcta gcttgaattt 60
gcgtgtgatg gcacttagaa cgcgtagctg ggaggcccg tcttcatttg cccccacaaa 120
caccagcttg tcaaatctgc caggcccgag aagggcaggg tccaggagat ctgggtctgtt 180
ggtggctcca atcacaaaca catcctgagt gctgtgcagc ccatctagct cggcaaggag 240
ctgagacacc accctgtcca tcaactctcc agaactctca cttcgccccc ggcttggggc 300
caaagagtcc agttcatcaa agaagataat gcatggagct gcagccctgg ccctggcaaa 360
cacttcccgc acattctcct cactttggcc cacatacatg ttaatgagct ctggcccctt 420
cacgctgagg aagg                                     434
```

<210> 359

<211> 219

<212> DNA

<213> Homo sapiens

<400> 359

```
aaaaatctaa tctgccagtt tagcgttttc caccaactcg gggagctgaa actttcacag 60
gcttcacaat cttttgctta ggtgctgcct ttgtaggtgc cttagcagca gccattgcag 120
tctttttaga tgcttgctta gccttttttg cticcttagc agccctgata gcttggtctc 180
gttgagccct tctaacttca gggtttctgat tctctttgg                                     219
```

<210> 360

<211> 361

<212> DNA

<213> Homo sapiens

<400> 360

```
aaaatcctgg ataattatat acttaaagct catgagcata aagctcactt gaccatgcag 60
aatgctggg aagcagggtg catggcatgg gaatacatct ccctgatctt tgagagagcc 120
tctctggata ttctttcaga gcatgagcca ggatgtactg actactttct tcacacatca 180
gttgcccttt atgatctcag ttcataaact ctttgtggta tgtagcaatc aaaagtcata 240
ttacttctgt aaaactaaca ttatataggg tgtatagtcc cagacaaatt atatgaagct 300
agatttttct tgccctggcc caatttatca ttctctctcc tgcccacacc tacctccctt 360
t                                     361
```

<210> 361

<211> 497

<212> DNA

<213> Homo sapiens

<400> 361

```
aaatacaggt ttgtagggtg gtattttgtt ttttccagct ataaaaaag gcccaaaagt 60
gcatgtgtga ggggggaaag gcagaaatta agcaataaag tcattttccc tggagggaca 120
tgagagggag aaaacaggag gcagtgtctg gagaacgcac tttcctcacc actgggcttc 180
ttgttattct tagtattggt ccacaaaagt tatattcaca ttctagcttt gatgcctctt 240
tcctgggatt aaatgagctg aaagacctct gtgaactgta gagaagacca ggggctcagc 300
ccagcccagc ccagcccctc agggctctgt gctcttctag ggatggatgg ttttggtaaa 360
```

05920300-023404

gaacagacgc ccagcagccc ccggtcactc agcaccagtg tgacagtccc tcctctctct 420
 gggggtgtgt aagaaaacgg cccctatfff taggcacagga agagtagagg gggggcctgc 480
 agcaagattc catgact 497

<210> 362
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 362
 aaagctttta gagaatacac tacaccaggg agtatgacta ctagtatgac tattaggagg 60
 gtaataccaa gagttggact acgcacctta ggcaagatac aaaccaacta aaatagaata 120
 aagaatgagt cagatgagt tagccatttt aaccaagcag cacatttggt aatttctaca 180
 acttagtctc agcgataccc attgtattta gccatgttca acaacaagtg tcagaaactg 240
 cacagactcc tccctgttca g 261

<210> 363
 <211> 232
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 46, 126, 132, 156, 225
 <223> n = A,T,C or G

<400> 363
 gtacaagctt tttttttttt tttttttttt ttttttttta tgggngcgt gcaggtagag 60
 gcttactaaa agtgtgaaaa cgtgggcttg gattaaggcg acagcgattt ctaggatagt 120
 cagtanaatt anaattgtga aaatgataaa gtgtanaggg aagggttaatg gttgatattg 180
 ctaggggggc gcttccaatt aggtgcatga ataggtggcc tgcantaatg tt 232

<210> 364
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 364
 ccaccatcta tgcaaagtga aagctctgaa caagggtgat gccaaactctg aagtcactgt 60
 gtactaccag tcaggtagca ggagtctaag agaataatag cttatggagc tgcttgatgt 120
 gcacatggaa gaaccttggt ttgacttcct tcgaaccaag cagacccttg ggtaccatgt 180
 ctaccctacc ttaggaaca catccgggat tctaggattt tctgtcactg tggggactca 240
 ggcaacaaa tacaattctg aagttgttga taagaagata gaagagtttc tttctagctt 300
 tgaggagaag attgagaacc tcaactgaaga ggcattcaac acccagggtca cagctctcat 360
 caagctgaag gagtgtgagg ataccacct 390

<210> 365
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 365
 ctgctgcaga tgctgacagg ccctgggagg ctgctgtgct ctggagaagc tggagcagct 60
 catttcttgg cctagcctgg ctgcctcaga aagagcagtc aggacttgag ggaagcatca 120

0950300 073104

```

aattctatac ccataaactg cagttggaag tcagcttttt gaaatgtcca gcctttgccc 180
aattgtttca gatcatctca ttcttcaggc tttggcaggc atcctgccct ccatcttatt 240
ccagtgtgtt cacctcatca aggcagcaga gtggatgaag gagtaagtct gccctttgcc 300
atactgaaca g                                     311

```

```

<210> 366
<211> 611
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 522, 543, 582, 590, 597
<223> n = A,T,C or G

```

```

<400> 366
aaaagatatt taagtttaaat acaaatttta tacaaagaaa atgtgaaaaa atacttccat 60
atgctaaaag caattatgct tcacaaataa ggccagctag gctatttttt ttttttgaca 120
actgcaattc acaaatgttc tttctctcct gttttcttct aatactctct tatttcttct 180
ctaatatggg taactagctg gaaactgtac agttcgcac cttctaaca tgaagagaaa 240
gtaaacaaga ctaaaatgta caacaaaacg tactggaatg ataatcgtac attaattttc 300
tcatatacat acatcacctt ttgctttttc atcaatgctt tttgttttac acaacataca 360
aaatggctct acagcatagc tagtgtacgg acagcatgac gggccttgct ttctctcata 420
ctgcctgtgt ttcatgctta cataaaaaacg tgaaattcca tcatataaat aatacgtaca 480
tgcttcatcc cagactcaaa cgtcctctgc gtgcaccttg cntttgagtc cttgcttcca 540
agnagcacag catctctgac caagtgtgtg tgagtgtgtt tntgtgctgn gagctgngtt 600
catgtatgtg c                                     611

```

```

<210> 367
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<400> 367
aaaatcagtt acggcaattc acttaaggag cttgagggcc gtgttaaaaag gagccagggtt 60
ttcacaaagac ctcatccacc tctgcacatt ggctggcact gccacactgc agcctccgat 120
ctgctggagt acagaccaca gcaccacgtc tgctacggtg agttcattcc cagcgagcca 180
agggctcttc ccaagagcag agttcatgga gcggaaaaca gcggcttttt ctttactgct 240
tccctctttt aactgaaaaa tcgcaatata taccagcta tctataaggg ttgcgttgac 300
agcattatgc ttctgg                                     316

```

```

<210> 368
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 368
atcagcctct cttactgtac tctccgggaa tggttaacctt tctattttca gcctgtgcca 60
cctgtctaga caagctggct tccccattgg cccctgtggg tccacagcag cgtggctgcc 120
ccccagggcc accgcttctt tcttgatcct ctttccttaa cagtgacttg ggcttgagtc 180
tggcaaggaa ccttgctttt agcttcacca ccaaggagag aggttgacat gacctccccg 240
ccccctcacc aaggctggga acagagggga tgtggtgaga gccagggttc tctggccctc 300
tcca                                     304

```

05500300-073404

<210> 369
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 369
 ccaggatgatc atttttctac aacggcattt ctcaacctcg gctgcatata aaattacctg 60
 ggagctttct aaaaattctg aaatttggtc ctaattctca gcagattctg acgtgattaa 120
 tttgggggtga gtgccaggta ctgttttttt gggttttttt taatctccct aggtgatttt 180
 aatgtgaaac caagattgaa gcctcagtcct gaagaaaaat agattcatag aaaactctgg 240
 cccctccccg ggggcctgcc ctgctcgccct caacatcttg tgcttttttg caagagaggg 300
 ctgaggagcc tgctggcgc tctctgcctg ggcccgggcc ctgtctcttt ggtatcagat 360
 tctgagcagg ggagggagct ggaaggagat gcagcagagg aagccaaatg ccctcaacaa 420
 cac 423

<210> 370
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 370
 atttaactgt ggggttggcg ctgtccttgt ggtatcaaag gagcagacag agcagattct 60
 gagggatc cagcagcaca aggaagaagc ctgggtgatt ggcagtgtgg ttgtacgagc 120
 tgaagggtcc ccacgtgtga aagtcaagaa tctgattgaa agcatacaaa taaatgggtc 180
 agtgttgaag aatggctccc tgacaaatca tttctctttt gaaaaaaaaa ggccagagt 240
 gctgtcttaa tatctggaac aggatcgaac ctgcaagcac ttatagacag tactcgggaa 300
 ccaaataagct ctgcacaaat tgatattgtt atctccaaca aagccgcagt agctgggtta 360
 gataaagcgg aaagagctgg tattcccact agagtaatta atcataaact gtataaaaaat 420
 cgtgtagaat tttgacagt caattgacct agtccttgaa gagttctcca tagacatagt 480
 ctgtcttgca ggattcatga gaattc 506

<210> 371
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 371
 cctttcatcc ctcggtgtg ctatggatgg cttctaaca aaactacaca tatgtattcc 60
 tgatcgcaa cctttcccc accagctaag gacatttccc agggttaata gggcctggtc 120
 cctgggagga aatttgaat ggtccatttt gcccttccat agcctaatac ctgggcattg 180
 ctttccactg aggttggggg ttgggggtga ctagttacac atcttcaaca gacccctct 240
 agaaattttt cagatgcttc tgggagacac ccaaagggtg aagccattta tctgtagtaa 300
 actattttatc tgtgtttttg aaatattaaa ccctggatca gtcctttgat cagtataatt 360
 tttt 364

<210> 372
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 372
 ctgggtcccc ccagcaggct ccaccgctga gggtcctgac attagctgtc agcccctggc 60
 ctgctcagac tgcaaacggt catacaaagt ggtctaggga ccagcaaaaa taataaacca 120
 ccccataaa cagacacata cacaaagtag atttgttacg cagtttaca gcatgttccc 180

atcacacagc aagaccagga caggtgattc agggtagcag ataagggaag acacaaaaac 240
acaggaattg aaaaggcaag acccccgtcc ac 272

<210> 373
<211> 462
<212> DNA
<213> Homo sapiens

<400> 373
aaatgtttta ggcaacctaa gaacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttgggtattca ttacttcatg tatatcaagc acagcagtaa aacaaaaacc catgtattta 120
actttttttt aggatttttg cttttgtgat tttttttttg atacttgcct aacatgcatg 180
tgctgtaaaa atagttaaca gggaaataac ttgagatgat ggctagcttt gtttaatgtc 240
ttatgaaatt ttcatgaaca atccaagcat aattgttaag aacacgtgta ttaaattcat 300
gtaagtggaa taaaagtttt atgaatggac ttttcaacta ctttctctac agcttttcat 360
gtaaattagt cttggttctg aaacttctct aaaggaaatt gtacattttt tgaaatttat 420
tccttattcc ctcttggcag ctaatgggct cttaccaagt tt 462

<210> 374
<211> 506
<212> DNA
<213> Homo sapiens

<400> 374
ttgttttggt acatagtgtg caacaaatta caatattctg cagccacaaa ttatatgcag 60
agtatgaaga aactattaat cagatagtgt aatctttcca tttataactc tacaaggaag 120
aactagcaaa tcagatctta catataacat ctactaaac tttatgcatg gaaagtgaca 180
gacactgctt gtgctgtttg atacaaaatg gctgaacttc atcttcagaa gactaaacct 240
gacatctaaa catgccaata taaacatcaa aacaaaatat attctaacca accacgggaa 300
acagtctggt atcaggaaag caacaaggat tacacacatt attttataaa ccagcacaca 360
aaggtttaaa acagttctga aaatgaagtt agctgtcttg agtcaaggga ataaaaaaaa 420
agtcagtatt gaccatttac aatctctgac ctttgtggag acggttaagaa tctgtttag 480
tgcagctaca tacagtacaa ttcagg 506

<210> 375
<211> 425
<212> DNA
<213> Homo sapiens

<400> 375
cctggcggaa agaaggctct agaacctgct tatagagcca caacagggtg cagacaactg 60
tgatgtcagc caatgtcact cgttcgcca ccagaaaagt cctcgtcttc aagtaagcat 120
ccagcagccc tagaatcgc ctcaacttct cctttgcatt ctcaagtggc tgtttgttgt 180
ggtgcatgat gcccaagggt gggaaacacc aggtactggc tgggggact atatcggaat 240
cagcaaagct caccactgc accacctggg ctgctgcctc tggagtactt ccccgagct 300
cctcattgct cacatagtag gcaatggcgt tgctctcaaa cacacagaat ccatcatcac 360
cctcaaagtc tgggacctg ccggcaggaa atttgcggag aaattcaggg gtgcggttgg 420
tttgg 425

<210> 376
<211> 417
<212> DNA
<213> Homo sapiens

09920300 073101

```
<210> 377
<211> 457
<212> DNA
<213> Homo sapiens
```

```

<400> 377
cctgacattc ctgccttctt gtactaataa gaaaaataaa acaaaatagt gttgaagtat 60
tggggcgggc aaaattttgg ggagtggtat ggagagagaa tgggcaatgt ttctcagggc 120
tgcttcaagc gggatcaggg gcggcgtggg aacctagagt gggagagatt aagctgaagg 180
gagatcttgt ggttaaggggt gatattgtgg ggttgttaga agcaacattt gtcgtgtaga 240
attattggtg atggcctgga tatggttttg tatgaattga aaaactaaat ggaataagaa 300
aaggagaaaa acaggtataa aaggactaag aattgggagg acctangaca tctgattaga 360
gagtgcctaa ggaggttcag catagtcctg ccagcaaaga ttattttattt acttcaagng 420
tttagagtgg cagtttgggg atagcacgaq gagatac 457

```

```
<210> 378
<211> 315
<212> DNA
<213> Homo sapiens
```

```
<400> 378
ccaggaggga gtggaggaag tgggggttat ggtgggagga gccgatactg agcttcttcc 60
tatttgccat gggcttcact gtataaatag gagaggatga gagcccagag gtaacagaac 120
agcttcaggt tatcgaaata acaatgttaa ggaaactctt atctcagtca tgcataaata 180
tgcagtgata tggcagaaga caccagagca gatgcagaga gccattttgt gaatggattg 240
gattatttaa taacattacc ttactgtgga ggaaggattg taaaaaaaaa atgcctttga 300
gacagtttct taqct                                     315
```

```
<210> 379
<211> 552
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 399, 526  
<223> n = A, T, C or G
```

<400> 379
gcgagaatga agactattct caqcaatcaq actgttcgaca ttccagaaaa ttgtcgacatt 60

actctgaagg gacgcacagt tatcgtgaag ggccccagag gaaccctgcg gagggacttc 120
aatcacatca atgtagaact cagccttctt ggaaagaaaa aaaagaggct ccgggttgac 180
aaatggtggg gtaacagaaa ggaactggct accgttcgga ctatttgtag tcatgtacag 240
aacatgatca aggggtgttac actgggcttc cgttacaaga tgaggctctgt gtatgctcac 300
ttcccatca acgttggttat ccaggagaat gggctctctg ttgaaatccg aaatttcttg 360
ggtgaaaaat acatccgcag ggttcggatg agaccaggng ttgcttggtc agtatctcaa 420
gccagaaaag atgaattaat ccttgaagga aatgacattg agcttgtttc aaattcagcg 480
gctttgattc agcaagccac aacagttaaa aacaaggata tcaggnaatt tttggatggg 540
atctatgtct ct 552

<210> 380
<211> 139
<212> DNA
<213> Homo sapiens

<400> 380
aaataactat tcctcctcca ttccatcgac tcccagcacc agccaggagg accctcagtt 60
cagtgttcct ccactgccac acacacccac gcccgtttgc aagcgggtcca tgcgctgggc 120
caacctgttt acatctgag 139

<210> 381
<211> 186
<212> DNA
<213> Homo sapiens

<400> 381
ccaggcatgg tggcacatgc ctgtgggtccc agctactcag gaggcggagg cgggagaacc 60
ccttgagcca gggagttgga ggttgacagt agccgagatc gtgccacagc actctagcct 120
ggcaacagag cgagactccg tctccaaaaa aaaaaaaaaa agaagatagt ttacacaaca 180
ccacag 186

<210> 382
<211> 403
<212> DNA
<213> Homo sapiens

<400> 382
tttttttttt tttttaagac cctcatcaat agatggagac atacagaaat agtcaaacca 60
catctacaaa atgccagtat caggcggcgg cttcgaagcc aaagtgatgt ttggatgtaa 120
agtgaaatat tagttggcgg atgaagcaga tagtgaggaa agttgagcca ataatacagt 180
gaagtccgtg gaagcctgtg gctacaaaaa atgttgagcc gtagatgccg tcggaaatgg 240
tgaagggaga ctcgaaagtac tctgaggctt gtaggagggg aaaatagaga cccagtaaaa 300
ttgtaataag cagtgccttg attatttggg ttcggttggt ttctattaga ctatggtgag 360
ctcaggtgat tgatactcct gatgcgagta atacggatgt gtt 403

<210> 383
<211> 436
<212> DNA
<213> Homo sapiens

<400> 383
ccacaactgt gaagttagaa aagccctgtc aaagcaagag atggctagtg ctccatccag 60
ccaaagaggt cgaagtgggt ctggaaactt tgggtgggtg cgtggaggtg gtttcggtgg 120
gaatgacaac ttcggtcgtg gaggaactt cagtggctgt ggtggctttg gtggcagccg 180

tgggtggtggt ggatatggtg gcagtgggga tggctataat ggatttggtg atgatggaag 240
 caatttttga ggtggtggaa gctacaatga ttttgggaat tacaacaatc agtcttcaaa 300
 ttttggaccc atgaaggagg gaaatttttg aggcagaagc tctggcccct atggcggtgg 360
 aggccaatac tttgcaaaac cacgaaacca aggtggctat ggcggttcca gcagcagcag 420
 tagctatggc agtggc 436

<210> 384
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 384
 ccattctttt atcttgggtc catgtgagtg acagaaatgg tgcggccttg gaaagatctc 60
 cctcctttac attttctctt ctccctcctc ctcccttattc taaaactgtg cctccaacag 120
 aggggcaggg gctctttagt agagatccct ggcccaggac aggagatgcc aaatctaatt 180
 tatctcactg agggcctttg agaaaaacgc ttctgggcca ggctcagtggt ctcattgccta 240
 tataatccca gtactttttag aagctgaggc ggcagatcac ttgaggccag gaggttcgag 299

<210> 385
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 385
 ctaacctgtt aactgggct ggggttgggta ggggtgttctg gcttttttgt ggggttttta 60
 tttttcctca gtccattgtt ccacgtttaa gaactaggaa taccaggact gatgcaattc 120
 tactgggtca ctatcgcttg tcacaagaca cagacaatca gaccaaagta tttgctgtaa 180
 taactaagaa aaaagaagaa aaaccacttg actataaata cagatatattt cgtcgtgtcc 240
 ctgtacaaga agcagatcag agttttcatg tggggctaca gctatgttcc agtggtcacc 300
 agaggttcaa caaactcatc tggatacatc attcttgtca cattacttac aaatcaactg 360
 gtgagactgc agtcagtgtt tttgagattg acaagatgta caccctcttg ttcttcgcca 420
 gagtaaggag ctacacagct ttctcagaaa gg 452

<210> 386
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 386
 aaaactgtgg caccttattt cttttgaaat gtcactttat aaggtgtatg tagaaagcaa 60
 cagcagcagt taaaaaatgt tgtctgagtg attctgagag ctcaaaacaa ggatccgcgt 120
 ataggctgaa gaaaaagacg ttcagttaac agtgcgcgct gtagaacttt aacacaagtc 180
 ttcagggtga attcctgtgt aaaccttagt agagatgcga ctacacggaga ccaaaagtaa 240
 aaatctcttt accgtttaca gtttagtgag gtgggtctgca ttctcgcaaa cgacttacaa 300
 agtacaagaa atgttgcggtg tgagtattag gcatagaata tttcattttc ttacggaagg 360
 agcagcaggg gacaggaaac ctagtggacg ccccgccacc acctttcccg aagatgcaca 420
 cccccaggaa cggcagtgca agcctggcag caagccaccc ttacaattct ttttgggtgt 480
 tt 482

<210> 387
 <211> 517
 <212> DNA
 <213> Homo sapiens

<400> 387
 gaacctgcta aggctgcctc agacctgact gcctgggttca gcctcttcgc tgacctcgac 60
 ccactctcaa atcctgatgc tgttgggaaa accgataaag aacacgaatt gctcaatgca 120
 tgaatctgta cccttcggga gggcactcac atgccgcccc cagcagctcc cctgggggct 180
 agcagaagta taaagtgatc agtatgctgt ttaataaatt atgtgccatt ttaataaaat 240
 gaaagggtca acggccctgt ttatatgtgt ataattatit actcttattt ggtataaagg 300
 gttttcgtgt atctctatgt ggatctaaat aatacaggat tgtctagaag cggtttccag 360
 gccaccgctc tcctgcctac atcccatcat ggctgctgcg gtgtcactgg gctaccgtga 420
 gatccaagtt gaaatcagaa gcctactttg atggtaggtt tgaatgacgt gtcctacagc 480
 ctcagaggca gcaggaggct agcaaagctt aaatgcc 517

<210> 388
 <211> 544
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 468
 <223> n = A,T,C or G

<400> 388
 ctgtttatga tcagcaagac tggggaggcc gagaccatca ccacccacta cctgtttcttc 60
 ctgggcctct atcgtgcttt gtatcttgct aactggatct ggcgcttcta ctttgagggc 120
 ttctttgacc tcattgctgt ggtggccggc gtagtccaga ccacccata ctgtgacttc 180
 ttctacttgt acattacaaa agtactcaag ggaaagaagc tcagtttgcc agcataagtg 240
 ccaaagacca tcaccagcat ctgtccttca ggggtgctcg acagaattct taccacagca 300
 aaggcataag atgcttgata cggaaaaatca gaaacttaac tcttttggtt cagatagtca 360
 tcagtggctc tgtaaaaaacg cagaggaaaa gagccagaag gtttctgttt aatgcatctt 420
 gccttatctt tttttattac tgtgtacaaa gattttttta cacaaagnaa cttaatgctg 480
 tattaataaa ttcagtgtgt agcttcaatt gggatagttc caaaagtga gattttgtga 540
 ggaa 544

<210> 389
 <211> 542
 <212> DNA
 <213> Homo sapiens

<400> 389
 ctgacaagcc cttgcgcctg cctctccagg atgtctacaa aattgggtgt attggtactg 60
 ttctgtttgg ccgagtggag actgggtgtc tcaaaccggt tatgggtgtc acctttgctc 120
 cagtcaacgt tacaacggaa gtaaaatctg tcgaaatgca ccatgaagct ttgagtgaag 180
 ctcttcctgg ggacaatgtg ggcttcaatg tcaagaatgt gtctgtcaag gatgttcgtc 240
 gtggcaacgt tgctgggtgac agcaaaaatg acccaccaat ggaagcagtg ttgcttggtc 300
 agtatctcaa gccagaaaag atgaattaat ccttgaagga aatgacattg agcttggttc 360
 aaattcagcg gctttgattc agcaagccac aacagttaaa aacaaggata tcaggaaatt 420
 tttggatggg atctatgtct ctgaaaaagg aactgttcag caggctgatg aataagatct 480
 aagatttacc tggctacaga aagaagatgc cagatgacac ttaagacctt cttgtgatat 540
 tt 542

<210> 390
 <211> 276
 <212> DNA
 <213> Homo sapiens

099603604073401

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<210> 391
<211> 189
<212> DNA
<213> Homo sapiens
```

```
<210> 392
<211> 395
<212> DNA
<213> Homo sapiens
```

```
<210> 393
<211> 230
<212> DNA
<213> Homo sapiens
```

```
<210> 394
<211> 522
<212> DNA
<213> Homo sapiens
```

<div><400> 394</div>						
ctgtggtttt	gccagtcaca	ctgatgagtc	caaaaaacct	aaagggtcaa	ccagacctcc	60
agctcccagt	gaaggttccc	agttagctcag	tgtggcaaa	gcaggtttct	gtcttccaac	120
ctgcccattg	tcccatgttt	cccccaagt	ttgcgtctta	gaaacctaat	ccccagtgcg	180
gcacgttttg	gacatgggta	ggtcgggagg	gctctgccac	tgccattaca	atgaggtaat	240

```

atccttgtca cctgagagtg gtttttgtga aggccgggtgt ggggctcctc ttgctggctt 300
gctctctggc tctctcgccc ttcccccttc tgccttccac catgggatgt cctagcagga 360
aggccctaag cagatacagg ctggttgctgt tggactttgc agcctccaga actgtaagaa 420
atacatttct tttctttata aattacctac tctgtggtat tctgttacag gaacacaaaa 480
cagaccaaga caccaacctt gacctgctct gtccttccct tc 522

```

```

<210> 395
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<400> 395
ccgcctccgc cgcgcgcctc ctccgcgcgc gcggactccg gcagctttat cgccagagtc 60
cctgaactct cgctttcttt ttaatcccct gcatcggatc accggcgtgc cccaccatgt 120
cagacgcagc cgtagacacc agctccgaaa tcaccaccaa ggacttaaag gagaagaagg 180
aagttgtgga agaggcagaa aatggaagag acgcccctgc taacgggaat gctaataagg 240
aaaatgggga gcaggaggct gacaatgagg tagacgaaga agagggaaga ggtggggagg 300
aagaggagga ggaagaagaa ggtgatggtg aggaagagga tggagatgaa gatgagggaag 360
ctgagtcagc tacgggcaag cgggacag 387

```

```

<210> 396
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<400> 396
cctatgacct tggccgcagg gctattgctt atgccactca cagagacagc tattctggag 60
gcgttgtcaa tatgtaccac atgaaggaag atggttgggt gaaagtagaa agtacagatg 120
tcagtgacct gctgcaccag taccgggaag ccaatcaata atggtggtgg tggcag 176

```

```

<210> 397
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 397
ctgtggcctg gccgctccca atgctggggg cttggcttgg tgccccatcc ctttctgac 60
tgagctctat gaaggactct taaaaaaata aaataaaatg caagcaaagt gctttgaaag 120
gagggaggac accctattcc tgctaagggg tagaggaaga aggtgaaggc ggctaggtgc 180
ccataagagg aggtctggc acatcttcatt cccgccagtg tgatttcagt ctcaaaagat 240
gagtatttgg ctgagaaatg gaaggatact ccaggctccc tacggagttg tgctggggcc 300
atgctgagct gcccttgcag gcagccctgg gtgctggggg cagacatgca ggacactggg 360
aagagtcaga accacaggtg ggagggaatc tcagagccca ggctccccac tgagcttgg 419

```

```

<210> 398
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 466
<223> n = A,T,C or G

```

T07E0300-03401

<400> 398

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aaattcttta  attaaggcat  tgggtcccaac  ggtgcacata  gattaaggga  ttttgcttcc  60
ttctgaacta  gatcatttgc  tagaggcttc  agaaaaagaa  aattagcttg  aaatctagtc  120
tgggaaattg  ggggcaggga  atgaaaaagt  tgggtctctg  tttctccacg  atacacaggc  180
ttcccatcta  aagtcatgct  taactaaaag  ggaaaaaaa  tgaaccaagc  aaaagtatat  240
agagtagccg  tgacatttgc  attattttct  agactttaca  tttgcctgca  acaggcataa  300
catgaaactc  cagaggggat  ttggattgat  aggaatgttc  acataaacac  cagcagtggc  360
taactgttac  acaacattca  aagtattcga  gagaactgcc  tggagacaga  gagcgagggt  420
ccacagacac  attagcacca  tactgatagg  tcatgcagca  ggatgntccc  tcccgagt    478

```

<210> 399

<211> 298

<212> DNA

<213> Homo sapiens

<400> 399

```

ctgggtgggc  ctgccctgca  tccgagaggg  tgtcgggaca  ctcatccaga  tggctctgag  60
acagcagcag  agctgacaag  gaggccccac  aagtgcagatt  cctttggctt  caaggctgcg  120
agtctgttcc  ttgggcctcc  tggcctgctg  agcctcccac  cggctttacc  ctgagagatt  180
gctgcagaag  cccgtgtgct  ggaatgggct  gccacatttc  taggaaggaa  cccgggggca  240
catgtagcct  ggttattcaa  tgttatcata  gacgtgaatc  acatcctcgt  ggttgctg    298

```

<210> 400

<211> 309

<212> DNA

<213> Homo sapiens

<400> 400

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aaagtacttt  taagaaaaaa  agcagggcct  tgggaagtttt  ggttcttttt  tcttccccctg  60
ttgcaaattc  tcatggtttg  ggttgggtgg  tggagagcgc  gtgtcatctg  cgggtggcac  120
tgcccacggg  gggcgggcgg  gcctctctac  tcgaagggtga  ccacgttttag  attctgagac  180
gggaagtgga  ggggtgaatag  gtcacggcgg  cctttttttt  ttagtttaac  ttttcttttt  240
ttgctgtcta  gtcatcctcg  tcgggtcttct  gcttcttggt  atcgacatcg  tcatcctcat  300
catcttcag                                     309

```

<210> 401

<211> 485

<212> DNA

<213> Homo sapiens

<400> 401

```

tgactaagat  ggaagcgttt  ttgggggtgc  ggtccggact  ttgggcgggg  ggtccggccc  60
caggacagtt  ttaccgcatt  ccattccactc  ccgattcctt  catggatccg  gcgtctgcac  120
tttacagagg  tccaatcacg  cggacccaga  accccatggt  gaccgggacc  tcagtcctcg  180
gcgttaagtt  cgagggcgga  gtggtgattg  ccgcagacat  gctgggatcc  tacggctcct  240
tggctcgttt  ccgcaacatc  tctcgcatta  tgcgagtcaa  caacagtacc  atgctgggtg  300
cctctggcga  ctacgctgat  ttccagtatt  tgaagcaagt  tctcggccag  atgggtgattg  360
atgaggagct  tctgggagat  ggacacagct  atagtcctag  agctattcat  tcatggctga  420
ccagggccat  gtacagccgg  cgctcgaaga  tgaacccttt  gtggaacacc  atgggtcatcg  480
gaggc                                             485

```

<210> 402

<211> 260

<212> DNA

<213> Homo sapiens

<400> 402

```
ccgggcaggt aaagctttta gagaatacac tacaccaggg agtatgacta ctagtatgac 60
tattaggagg gtaataccaa gagttggact acgcacctta ggcaagatac aaaccaacta 120
aaatagaata aagaatgagt cagatgagtg tagccatttt aaccaagcag cacatttggt 180
aatttctaca acttagtctc agcgataccc attgtattta gccatgttca acaacaagtg 240
tcagaaactg cacagactcc 260
```

<210> 403

<211> 76

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 7, 11, 18, 30, 31, 46, 47, 61, 62

<223> n = A,T,C or G

<400> 403

```
ctggganatg ncgagctnct ctggcatctn natggacaca ttcagnntct tgggcaccca 60
nnctaagccg aatgtg 76
```

<210> 404

<211> 439

<212> DNA

<213> Homo sapiens

<400> 404

```
aaaattataa gatttacagt gccttgatta tgcaaaatag cataatggaa attaaaccaa 60
atcaataaac caaagagaaa gaaaacttaa ttttctctag tatccatact taaaccatct 120
ttgtaagtat ctgatgtccc aaccatgtct tatgtagaaa gtataatcgt ttcaaagtgt 180
tcacttgcag gtttaatttc tcattttcaa tttttatgaa ctgtaatgca atttcaaadc 240
ctattatacc tagtgtttat actgcaacag cagcaaatct cacatgtgta atcaaagtgt 300
gaactggggc acagcttcta gctgtagaca gaaattatac actgcattca gtccaggaga 360
gtacattaca ttaaccagag cgtagagttt agtacactta ttgcagggtt ggtatttctt 420
tccctctgat ctgaatcag 439
```

<210> 405

<211> 365

<212> DNA

<213> Homo sapiens

<400> 405

```
aaaaaaaatt aattgctcca agttttcagg cccaggggag gctctcccat tctcctcctt 60
caatagtccc gtccaggaag ggtgatcttg tggataaatt catcatactt cactttgcca 120
ttgggttcga tatctgcttc cctgaagaga tcatccactt ccttgtgggt gagcttctcc 180
cccagactcg tgagttttga ccgcaggctc gacgccatga cgtaaccttt cttctccttg 240
tccaccatga acatggctag aagaatttct ttctttgggt cttcttggtt tatttgcacg 300
tgcataatgg tcagaaaagt ggagaaatcc agctctccat ttccgtctat cccgtgggtc 360
tgacag 365
```

<210> 406

<211> 274

<212> DNA
<213> Homo sapiens

<400> 406
ctggaagcct tgttggtccc taagcctttg tttcatgcta cagtactgag gggatgtgt 60
ccccaatgca cagccacccg cacacaactc aatgagcttc ctgggaaaca ctattccccc 120
acctccacct taggtggctg cctcagtttt ccaaccacag gaatcagtc ctcagctcct 180
gcctctagtc tccaccccaa aagttcagtc gtctctgtct tggagggcac tgtcggcccc 240
ctcaggttga agttcaacac tcctcaatga gcag 274

<210> 407
<211> 440
<212> DNA
<213> Homo sapiens

<400> 407
aaaaagactt gtgcacttgc ccaggctcaa ggatattaaa atctagcaca taaagcccat 60
tactagaggt agaaatacag gcaatatact attacggcaa caaccatcaa ttacagttaa 120
gaatttttct gtaacaacca aatggataat caaatattgc aacaactcaa gtattactga 180
gcaaagtgc tttctacagt attcagtgtc gctattcagt tttctaactt aaaacagcct 240
atgataactg gcagcaaaga aggtccttgc aatagactgc ctctgcttga gaacttatga 300
tgtaattatt gcatgctgct aatatactat ctaaacatta aagatactcc taaaatattt 360
gatggtagac tatgattaag acattacact acaaaaaaac cttatgcaga aggaaatcct 420
aactgacgtg cttctgcttt 440

<210> 408
<211> 266
<212> DNA
<213> Homo sapiens

<400> 408
ctgcagcttt tcaccacatt ttcaattact gaattgcatg ttttttttcc accttgataa 60
cttaggggtca gtagaaagct atttacttac atgttatagt caatataact atactaaatg 120
cccatttgta attgaagaaa ctcacagaca cagtatgaac tatattatac aaaatcatga 180
ccatgagttt cagtgaagaga ttctgtctct ctcttaaagc aagaaatatc ccacagctca 240
gatttacata agtagtgccg cctttt 266

<210> 409
<211> 516
<212> DNA
<213> Homo sapiens

<400> 409
ccagctttat taccagattg tcatccagct tcccatgac aacaatgtta tgtactttca 60
gatcaacaac aaaacgggag ccattctctt taccggagag ggatctcagg aattgaatcc 120
tgctaagaat ctttctata atctggtgat ctcatggaag gacatgggag gccagagtga 180
gaattccttc agtgatacca catctgtgga tatcatagt acagagaata tttggaaagc 240
accaaaacct gtggagatgg tggaaaactc aactgatcct caccatcat caaatcactca 300
gggtgcggtgg aatgatcccg gtgcacaata ttcttagtt gacaaagaga agctgccaag 360
attcccattt tcaattgacc aggaaggaga tatttacgtg actcagccct tggaccgaga 420
agaaaaggat gcagtgaagta aaagagaaga gtttcacagg cgacaagaca aagtcctatg 480
cccatctaca gttgagagca aaatggattt tacttt 516

<210> 410

<211> 379
 <212> DNA
 <213> Homo sapiens

<400> 410
 cggcgccgcg cccatagccg gacggggatc tgagctggca ggatgaatgt ggggggtggca 60
 cccagcgaag taaaccccaa caccgagtg atgaatagcc gaggcacctg gctggcctac 120
 atcatcttgg taggattgct gcatatgggt ctactcagca tccccttctt cagcattcct 180
 gttgtctgga ccctgaccaa cgtcatccat aacctggcta cgtatgtctt ccttcatacg 240
 gtgaaaggga caccctttga gactcctgac caaggaaagg ctcggctact gacacactgg 300
 gagcaaattg actatgggct ccagtttacc tcttcccga agttcctcag catctctcct 360
 attgtgctct atctcctgg 379

<210> 411
 <211> 576
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 534, 541
 <223> n = A,T,C or G

<400> 411
 aaacattacc cagcatcatt gtttataatc agaaactctg gtccttctgt ctggtggcac 60
 ttagagtctt ttgtgccata atgcagcagt atggagggag gattttatgg agaaatgggg 120
 atagtcttca tgaccacaaa taaataaagg aaaactaagc tgcaactgtg gttttgaaaa 180
 gggtattata cttcttaaca attctttttt tcagggaactt ttctagctgt atgactgtta 240
 cttgaccttc ttgaaaagc attcccaaaa tgctctatct tagatagttt aacattaacc 300
 aacataattt tttttagatc gagtcagcat aaatttctaa gtcagcctct agtcgtggtt 360
 catctctttc acctgcattt tatttggtgt ttgtctgaag aaaggaaaga ggaaagcaaa 420
 tacgaattgt actatttgta ccaaactctt gggattcatt ggcaaataat ttcagtgtgg 480
 tgtattatta aatagaaaaa aaaaattttg tttcctaggt tgaaggctca attnatacgt 540
 ntgacttatg atgaccattt atgcactttc aaatga 576

<210> 412
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 332
 <223> n = A,T,C or G

<400> 412
 ccaaattgtgt tacttgtgca ccaaagagtt ttttaaaaag agatttgcct acgggtgagc 60
 actgaagtat acattgtgcc aatgtaatta ttgtcttggg gaccttctag aacttgctaa 120
 atcatatagc aagaagagaa tgagttcagg ccagtaaat ctggtgagtt aatttacatc 180
 tgtgatactg ccgtttttcc cattaaatgt ggttatggca aagcattctt agggtaataa 240
 ataaataaat aaactttgga caatgccttt acttgtgccc tatatacaga actattccat 300
 agaattttcc aggatttcaa gatactacac anagaaaaaa actgtaaagc aatttgggtcc 360
 tttccaaatt tcagcag 377

<210> 413
 <211> 584
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 557
 <223> n = A,T,C or G

<400> 413
 aaaataatta cccatctttc agtcaataca cagccaactc ttgattatct atgagaaacg 60
 taagtgacat ttactctcaa acttcactct aacagaatca tccacctttg atacacttgt 120
 ttgtttttaca tcccatgtac actacagcct atcaagacga agttataaca caaatgttgt 180
 ttctcttgac ccattgctaga aacgtgtaag gaaatggagt gagcacattc tgctagggct 240
 ttgctgatga ccctacagtgc gacagtgggg gcaggataga actctggaca tgagaaaaga 300
 caaatttcat gttcctccag aatcaggtct tacatgcctt cgttattttg ttatcacaaa 360
 attaaaaacc tgaggcttag tcactatttt atatagataa tggagagttg actgtaataca 420
 tgttatgact ttagctcttt aacatgaaaa aattcacaaag aaagcatatg ataaaaagat 480
 taaaaagact gccatgacat ctagaagcat ttattttatg caaaaaactt aaatatgatt 540
 atgtgtacac ataaangnca cacattacct atgctgaaca atgc 584

<210> 414
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 414
 ctggatggct cttatgttat catctgtttc catcgtggcc tggagttttc cattcacact 60
 gaatgtacag aagaggccgt ttatcatagaa tatgacacaa tgaccctctc ttgaagcctg 120
 aatgagtttt ggtttcaggc agttttcagg accctccaag gtcctcaaca agtctccatt 180
 catggaatgt atgagacatg gtccttcttg tgaaccactc aacaccagg 229

<210> 415
 <211> 597
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 547, 549, 551
 <223> n = A,T,C or G

<400> 415
 ctgagagcgg aaaatggtct tctcatgact ctttgttaca ctgcaaattt tgttgacca 60
 gaggttttaa aaagacaagg ctatgatgct gcttgatgata tatggagtct tgggtgtccta 120
 ctctatacaa tgcttaccgg ttacactcca ttgcaaatg gtcctgatga tacaccagag 180
 gaaatattgg cacgaatagg tagcggaaaa ttctcactca gtggtgggta ctggaattct 240
 gtttcagaca cagcaaagga cctggtgtca aagatgcttc atgtagacct tcatcagaga 300
 ctgactactg ctcttggtct cagacatcct tggatcgctc actgggacca actgccacaa 360
 taccaactaa acagacagga tgcaccacat ctagtaaagg gtgccatggc agctacatat 420
 tctgctttga accgtaataca gtcaccagtt ttggaaccag taggcccgtc tactcttgct 480
 cagcggaaaag gtattaaaaa aatcacctca acagccctgt gaagtgacct cagttagata 540
 tttggtncnt nggtgaagct gatagcacia gttctggcga caggtagcac gtatctg 597

<210> 416
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 416
 ctggatgggg agtccttgag ggaggaactt tatcttccca cgcagggccc ccagcaccta 60
 acacagtgtg gacatctgta attgctcaat aaacatcaac tgaatggata catgaaaaga 120
 aaggaacaaa gaggtgagaa ggcagaggga cagaagctga cccccagggg ccccatcaca 180
 gacccttgga gaaccagtgt gaccagcaca tgcttccgtg gggaggatgg gcaggggaga 240
 ggggcactgc agaggaggct gggccagggg ggaaccacac gtgttccagc acgtgcacct 300
 gcaggtctcc atgcacag 318

<210> 417
 <211> 541
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 464
 <223> n = A,T,C or G

<400> 417
 ctgctgtggt tgctccatt acaacgggct atacggtgaa aatcagtaat tatggatggg 60
 atcagtcaga taagtttgtg aaaatctaca ttaccttaac tggagttcat caagttccca 120
 ctgagaatgt gcaggtgcat ttacagaga ggtcatttga tcttttggtg aagaatctaa 180
 atgggaagag ttactccatg attgtgaaca atctcttgaa acccatctct gtggaaggca 240
 gttcaaaaaa agtcaagact gatacagttc ttatattgtg tagaaagaaa gtggaaaaca 300
 caaggtggga ttacctgacc cagggtgaaa aggagtgcaa agaaaaagag aagccctcct 360
 atgacactga aacagatcct agtgagggat tgatgaatgt tctaaagaaa atttatgaag 420
 atggagacga tgatatgaag cgaaccatta ataaagcctg ggtngaatca agagagaagc 480
 aagccaaagg agacacggaa ttttgagact ttaaagtcgt tttgggaact gtgatgtgat 540
 g 541

<210> 418
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 418
 ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
 ctaaccagta tatgcagaga atggcaagtg tacgagctgt tcccaacct gtaatcaacc 120
 cctaccagcc agcacctcct tcaggttact tcatggcagc tatcccacag actcagaacc 180
 gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtcct cgctggactg 240
 ctcagggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294

<210> 419
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 419

```
<210> 420
<211> 118
<212> DNA
<213> Homo sapiens
```

```
<210> 421
<211> 275
<212> DNA
<213> Homo sapiens
```

```
<210> 422
<211> 494
<212> DNA
<213> Homo sapiens
```

```
<210> 423
<211> 340
<212> DNA
<213> Homo sapiens
```

```
<400> 423
caagaatttg gtgtggacgt tggccctggt tgctttttat aaaccaaact ctatctgaaa 60
tccaacaaaa aaaaatttaa ctccatatgt gttcctcttg ttctaattct gtcaaccagt 120
qcaagtqacc qacaaaattc cagttattta tttccaaaat gtttgaaaac agtataattt 180
```

gacaaagaaa aatgatactt ctcttttttt gctgttccac caaatacaat tcaaatgctt 240
 ttigtttttat ttttttaccatttccaattt caaaatgtct caatggtgct ataataaata 300
 aacttcaaca ctcttttatga taacaaaaaa aaaaaaaaaa 340

<210> 424
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 424
 caaatctctt ttttttaggtt ttgtccatag catcagttga tccttactaa gtttttcatg 60
 ggagacttcc ttcatcacat cttatgttga aatcactttc tgtagtcaaa gtataccaaa 120
 accaattttat ctgaactaaa ttctaaagta tgggtatata aaccatatac atctggttac 180
 caaacataaa tgctgaacat tccatattat tatagttaat gtcttaatcc agcttgcaag 240
 tgaatggaaa aaaaaataag cttcaaacta ggtattctgg gaatgatgta atgctctgaa 300
 ttttagtatga tataaagaaa acttttttgt gctaaaaata ctttttaaaa tcaattttgt 360
 tgattgtagt aatttctatt tgcactgtgc ctttcaactc cagaaacatt ctgaagatgt 420
 acttggattt aattaaaaag ttca 444

<210> 425
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 425
 ccagcgcgcg aggaccgcgc aacagccgcg tctctcggtc cgccctggaa aatctcttct 60
 tcctcaggag tcagcttggc tcccttcttg cggcccaggg gcagcgcata gtgggactcg 120
 taccactgtc ggtacggtgt gctgtcgatg agcacgatgc aattcttcac caggggtcttg 180
 gtacgaacca gctcgttatt agatgcattg tagacaacat cgatgatcct tgttttacga 240
 gtacaacact ctgagcccca ggagaaattc cccacgtcca acctcagggc acggtatttc 300
 ttgttacctc cccgcacacg gactgtgtgg atgcggcggg ggccaatctt ggtgttgga 360
 g 361

<210> 426
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 426
 gccaaacaat acccacttgt cagcctaaat gaagagagaa atgtcatgga agaggggaaaa 60
 gactttcagc cctcaagatc tacagctcaa caggaacttg atgggaaacc tgcttctcct 120
 actccgggta ttgtggcctc ccacacagcc aacaaagaag aaaagagttt actcgaacta 180
 gaagtagatt tggataattt ggaattagaa gatattgaca caacagatat caatctggat 240
 gaagatattt tggatgattg actgtaatgc ttccatttta cctgactaaa cagatcatta 300
 ttatatatag gtattgattg ctacctgac cacagtgtct tggactatga gaaacttctt 360
 agatttttat atgtaaatgc tgtggaccac tgggagcaca atgccacat catcttaaga 420
 agagtttatg tgcagcattt 440

<210> 427
 <211> 608
 <212> DNA
 <213> Homo sapiens

<400> 427


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ccacaaaaca ccaaagaatt gtaggcagtg gcccctattg agaagttttc cggtagagtt 60
ggaaatcagt tgtgaataca ttctttgcta gttggagtg tttgttacta agcatgtgcc 120
gtcgtaggta ttagtgctag tctcaaatag gtgcttcccc tgagggtgcag gggaagacca 180
aagtttgcaa ctcgaaactgc tttcgtccat gtttctcaca ttgctgtatt ttagaaaata 240
gggggttaaga ctgataacaa cctttttacat tgtgactgtg tttgcattgt ctaatgacag 300
ataaatccctt aacattttctc tccaccttag tacttttagac taattgtgtt tgtccgtcca 360
tgccatgaat gagtgggctg tagttgggcc taaataaatg agctgttgga agaaaagaat 420
cacagtactt tccagcagtc agtccctggg tccatagatgt gttctaagca atgcaaagt 480
ctaattgtcc cccagtgggc atagtcagtg tcgtttatat tgtagcagtt acagctctgt 540
agtttatgat gcaaatctgc caagagagat gtatgtgtca ctgcatggct tctgaaagca 600
ggatgaat 608

```

<210> 428

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 298

<223> n = A,T,C or G

<400> 428

```

gtttttctca ttttggattt ctccaaaact aactgaattt aagcttcagg tccctttgta 60
tgcagtagaa aggaattatt aaaaacacca ccaaagaaaa taaatatatc ctacttgaaa 120
tttactctat ggacttacct actgctagaa taaatgtatc aaatcttatt tgtaaattct 180
caattttgat atatatatgt atatatgcat atacatatcc acacttgtct gcaagaatat 240
tgattaaaat tgctaaattt gtacttggtc atcaaaaaaa aaaaaaaaaa aaaaaaanc 299

```

<210> 429

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 502, 551

<223> n = A,T,C or G

<400> 429

```

ctgcaccatg ccatctatag agataggaac ggtgggtggt gggaccaacc tactacctca 60
gcaagcctgt ttgcagatgc taggtgttca aggagcatgc aaagataatc ctgggggaaaa 120
tgcccggcag cttgcccga tttgtgtgtg gaccgtaatg gctggggaat tgtcacttat 180
ggcagcattg gcagcaggac atcttgtcaa aagtcacatg attcacaaca ggtcgaagat 240
caatttacaa gacctccaag gagcttgcac caagaagaca gcctgaatag cccgacagtt 300
ctgaactgga acatgggcat tgggttctaa aggactaaca taaaatctgt gaattaaaaa 360
agctcaatgc attgtcttgt ggaggatgaa tagatgtgat cactgagaca gccacttggt 420
ttttggctct ttcagagagg tctcaggttc tttccatgca gactcctcag atctgaacac 480
agtttagtgc tttacatgct gngttctttg aagagatttc aacaagaata ttgtatgtta 540
aagcatcaga natggtaatc tacagctcac ctct 574

```

<210> 430

<211> 181

<212> DNA

0520300 074018

<211> 492

<212> DNA
<213> Homo sapiens

<400> 433

```

caatgccagt aaacttaaat tacgtaactt cttgcaacca cgaaacctgt aatacgctgt 60
acagtaacaa gtgttggcat tatcagttga actgtaaata caaaatgctt cttccaatta 120
gtctctatga tgattaagtt tctaaaattt atctgaacac cattcagaaa cttgttttgg 180
ggaatttgat agttattgat gtgcatctgt taaactgatg acagacataa ctcatcattc 240
cccagaaacc ttttttgatt acagtatcta acattttgcc tcctcttttt tggttttgct 300
ggttataaag gtttggattg gagagggctc actggatccc aatccttggg gctggatcat 360
tggaattcaaa tcataatgtg gataggatag ggaggatgaa ttaccaggat tcatggagcg 420
ggatcagatt accaggaaca taggagtggg ttcttgcccc aaccaaaccg cattcgtgtg 480
gattttttta tt 492

```

<210> 434
<211> 493
<212> DNA
<213> Homo sapiens

<400> 434

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ccatctgata tataaatgag gtggcatcga caaaagaacc attgaaaaat ttgagaagga 60
ggctgctgag atgggaaagg gctccttcaa gtatgcctgg gtcttggata aactgaaagc 120
tgagcgtgaa cgtgggtatca ccattgatat ctccttgggg aaatttgaga ccagcaagta 180
ctatgtgact atcattgatg cccaggacac agagacttta tcaaaaacat gattacaggg 240
acatctcagg ctgactgtgc tgtcctgatt gttgctgctg gtgttgggtg atttgaagct 300
ggtatctcca agaattggga gaccgagag catgcccttc tggcttacac actgggtgtg 360
aaacaactaa ttgtcgggtg taacaaaatg gattccactg agccacccta cagccagaag 420
agatatgagg aaattgttaa ggaagtcagc acttacatta agaaaattgg ctacaacccc 480
gacacagtag cat 493

```

<210> 435
<211> 476
<212> DNA
<213> Homo sapiens

<400> 435

```

ctgcagcctg ggactgaccg ggaggctctg attatthacc caccacaggt aggttgtgtt 60
ctgaatctca ggttcacagg ttaaggctac agcatcctca tcctccacgg ggttggagtt 120
gttgctggtg atgaagggtt tgggtggctc tgcatagact gtgatcgtcg tgactgtggt 180
cctattgagg ccagtgtctg agttatgggc ttggcacgta taggatccac tattattcac 240
agtgatgttg gggataaaga gctcttgggt ggattgctgg aaagtcccat tgacaaacca 300
agagtactgt gcagggtgggt tagaggctgc gtggcaggag aggttcagat tttcccctga 360
tctgtaagat gtgttttagag gggaaatggt gggggcatcc gggccataga ggacattcag 420
gatgactgaa tcaactgcgc tggcactcac tgggttctgg gtttcacatt tgtagc 476

```

<210> 436
<211> 300
<212> DNA
<213> Homo sapiens

<400> 436

```

aaaacttaag gggaaagtgt gagattgagc ataaggggccc ttgagtaaga ctgtgtctta 60
tgctttcctt tatccctgtg tatacaggag acagaccaac tagaagatga gaagtctgct 120
ttgcagaccg agattgcca cctgctgaag gagaaggaaa aactatagag ttcactctgg 180

```

09120300-09120300

```
<210> 437
<211> 345
<212> DNA
<213> Homo sapiens
```

```
<210> 438
<211> 512
<212> DNA
<213> Homo sapiens
```

```
<210> 439
<211> 483
<212> DNA
<213> Homo sapiens
```

```
<210> 440
<211> 580
<212> DNA
<213> Homo sapiens
```


<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 541
<223> n = A,T,C or G

<400> 443
ctgcctttga agcacctcct cagtacgttt tgccaacctg tgaaatggcc gtgaaaatgc 60
ctgaaaaaga accaccacct ccttacttac ctgcctgaag aaattctgcc ttgacaata 120
aatcctatac cagctttttg tttgtttatg ttacagaatg ctgcaattca gggctcttca 180
aacttgtttg atataaaata tgttgtcttt tgtttaagca tttattttca aacactaagg 240
agctttttga catctgttaa acgtcttttt gtttttttgt taagtctttt acattttaat 300
agtttttgaa gacaatctag gttaagcaag agcaaagtgc cattgtttgc ctttaattgg 360
ggggtgggaa gggaaagagg gtacttgcca catagtttcc ttttaactg cactttcttt 420
atataatcgt ttgcattttg ttacttgcta ccctgagtag tttcaggaag actgacttaa 480
atattcgggg tgagtaagta gttgggtata agatctgaac tttcatctg cagaggcaag 540
naaaaatatt tgacattgtg acttgactgt ggaagatgat gggttgcattg 589

<210> 444
<211> 510
<212> DNA
<213> Homo sapiens

<400> 444
cctcatctca gagctgggtg ccaggctgaa ggatcactga ggaaggggaa gtgggcaaag 60
cagaccctca aactgacaca agacctacag agaaaaccct ttgccaaatc tgctctcagc 120
aagtggacag tgataccgtt tacagcttaa cacttttgtg aatcccacgc cattttccta 180
accagcaga gactgttaat ggccccttac cctgggtgaa gcacttacct ttggaacaga 240
actctaaaaa gtatgcaaaa tcttccttgt acagggtggt gagccgcctg ccagtggagg 300
acagcaccac tcagcaccac ccacctcat tcagagcaca ccgtgagccc ccgtcggcca 360
ttctgtggtg ttttaatat gcatggtttt atgggacgtt ttaagtgttg ttcttgtgtt 420
tgttttcctt tgactttctg agtttttcac atgcattaac ttgcggtatt tttctgttaa 480
aatgttaacc gtccttcccc tagcaaat 510

<210> 445
<211> 326
<212> DNA
<213> Homo sapiens

<400> 445
gaagacatct ttgaaggtca tgagtttggt agtttaacat catatatattg taatagtga 60
acctgtactc aaaatataag cagcttgaaa ctggctttac caatcttgaa atttgaccac 120
aagtgtctta tatatgcaga tctaattgaa aatccagaac ttggactcca tcgttaaaat 180
tatttatgtg taacattcaa atgtgtgcat taaatatgct tccacagtaa aatctgaaaa 240
actgatttgt gattgaaagc tgcctttcta tttacttgag tcttgtacat acatactttt 300
ttatgagcta tgaaataaaa cat 326

<210> 446
<211> 494
<212> DNA
<213> Homo sapiens

$\langle 220 \rangle$

<221> misc_feature
 <222> 501
 <223> n = A,T,C or G

<400> 450
 gtgagacaca ggtatgtatt tttgggtctc acaggttaag gtctgagcca ctgagggtcag 60
 gctctggttt gtatcccaag accgagaagc tgtgttaagc atggtgggta gagtttgtca 120
 ggtgacatct atgaaaccag gagcatgcaa agatagggtg accggaacag ccatgggtcaa 180
 accaattaaa ctgtcctgca gttgagggtca ggcacaggta gaacggatct atcagggtgag 240
 gcccaaggag tccggattag gctcatctag aaagacctgg atgtggtaga tgacctctga 300
 ggatatgaag tgaaggcagg tggatagagc cagggtctctc aggagggtctg aggagctggg 360
 atctggcaca gtgagcagggt ctggatttcc cagggtggtgt caagacagat gggtaggccca 420
 ggcacagtgg ctcacaccta taatcccagc aattttggaa ggccaaggca ggcagatcag 480
 ttgaagtcaa gagctcgaga ncagcctgg 509

<210> 451
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 63, 166
 <223> n = A,T,C or G

<400> 451
 aaaaaaggaa ttctgtgtca agtataactc aaaataaata caaattcaca agtagaacta 60
 ttnaatactt catatgggggt aaacaccatt atctcccaac tagatcgcta gatctaccaa 120
 ctgcaagcga ttgtcccttt tgaacgtact aaaaccacac acttttncat cccctggggt 180
 cctggccctc tgagcactca attctcaatg gcacctggcc tgcatggca 229

<210> 452
 <211> 595
 <212> DNA
 <213> Homo sapiens

<400> 452
 aaagaacaaa ctcaacatat cagcagcaaa tttcagttaa actaaattgg aaaccaatgt 60
 tctgtgtaac caaagtgcaa agtcagttcc ccagctcaga aagaaaatta agagtataaa 120
 ctgaaggctt aagagaactt cagagagcac actgtgtgat taatacataa atattaaaaa 180
 ttatccaatt tttgatttaa gaacaacaca gtttggatct agtcattaaa acatatgcac 240
 aggtgtcaaa ggcaagtaac actaccacct aagggttattc ggaggaactg tgaagatgta 300
 gcacggacct ctaagggtgtc taaaatccct tctgatggaa aggttatgga acactatctg 360
 ccaaaaacac tgaagcacc actttttatat ttagatccaa tgctgagtga tatagtcact 420
 gttgggatag gtttttattt gggaaaatgg agaggattct caaaacagat tcatggcttg 480
 catgcagtga caccctatca agagcctgga aagacaccat gaaatcacct caactcaagt 540
 ggtgggcccc cctactcata gtcagtgtta cactagccag ctctagggtc ctgac 595

<210> 453
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 453

0920300-03404


```

aaaggccaag aaggcagtgt tgaaagggtgt ccacagccac aaaaagaaga agatccgcac 60
gtcaccacc ttccggcggc cgaagacact gcgactccgg agacagccca aatatcctcg 120
gaagagcgt cccaggagaa acaagcttga ccactatgct atcatcaagt ttccgctgac 180
cactgagtct gccatgaaga agatagaaga caacaacaca cttgtgttca ttgtggatgt 240
taaagccaac aagcaccaga ttaaacaggc tgtgaagaag ctgtatgaca ttgatgtgg 299

```

```

<210> 454
<211> 510
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 414
<223> n = A,T,C or G

```

```

<400> 454
aaaaaggatt taggccactg cctttttctg agggaggagc ggccagcatg tgccccgcgg 60
ctcactgggc ctgtctaata acacagcagt ggcaaaaggga gtatctgcca gacgcttctt 120
atcactctat tctgtctcct catccacctg aagttcactc cgtttcccca atgacttaga 180
atggctttgt gcttagtttt aattgtagtt tgtgctattc tgtgaattaa caattcaaac 240
aaaataagaa agccatgttg ttaaacagta gaggagccag ggactctgtc tccattctct 300
catcacacac aagtcatgca tctacaaaaa aaaaaaaaaa caaaaaaca caacaacaaa 360
aaaactgtcc tctgaggagg cacagggtgt acagataagg aacctgcagc tcanattcaa 420
caggcacctg ccaagtccac actcaggact gtgacagcct caacaacatg aggtccagac 480
acattcactg tggaaggctc tgcccacgcg 510

```

```

<210> 455
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<400> 455
aaagtacttt taagaaaaaa agcagggcct tggaagtgtt gggtcttttt tctctcccctg 60
ttgcaaattc tcatggtttg gggtgggttg tggagagcgc gtgtcatctg cgggtggcac 120
tgccacgggt gggcgggcgg gcctctctac tcgaagggtga ccacgtttag attctgagac 180
gggaagtgga ggggtgaatag gtcacggcgg cttttttttt ttagtttaac ttttctttt 240
ttgtgtctta gtcactctcg tcggtcttct gcttcttggt atcgacatcg tcatcctcat 300
catcttcag 309

```

```

<210> 456
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<400> 456
gtggttgtgt ggtcgtgtct cggaaccgg tagcgtttgc agcatggctg accaactgac 60
tgaagagcag attgcagaat tcaaagaagc tttttcacta ttgacaaaag atggtgatgg 120
aactataaca acaaaggaat tgggaactgt aatgagatct cttgggcaga atcccacaga 180
agcagagtta caggacatga ttaatgaagt agatgctgat ggtaatggca caattgactt 240
ccctgaattt ctgacaatga tggcaagaaa aatgaaagac acagacagtg aagaagaaat 300
tagagaagca ttccgtgtgt ttgataagga tggcaatggc tatattagt ctgcagaact 360
tcgccatgtg atgacaaacc ttggagagaa gttaacagat gaagaagttg atgaaatgat 420
caggggaagca gatattgatg gtgatgggtc agtaaactat gaagagtttg taaaaatgat 480

```

gacag

485

<210> 457

<211> 311

<212> DNA

<213> Homo sapiens

<400> 457

```

ccacagggac ctctgcagtg cccccaagt gacccggaca cttccgaggg ggcatcacc 60
gcctgtgtat ataacgtttc cgggtattact ctgctacacg tagcctttta cttttgggg 120
tttgtttttg ttctgaactt tcctgttacc ttttcagggc tgacgtcaca ttaggtggc 180
gtgtatgagt ggagacgggc ctgggtcttg gggactggag ggcaggggtc cttctgccct 240
gggtcccag ggtgctctgc ctgctcagcc aggcctctcc tgggagccac tcgccagag 300
actcagcttg g 311

```

<210> 458

<211> 659

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 537, 573, 576, 637, 646

<223> n = A,T,C or G

<400> 458

```

aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcacagcc tgctgaacag ttcctttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgtgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttcttg gcttgagata 240
ctgaacaagc aacacctggc ctcatccgaa ccctgcggat gtatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatggg aagtgagcat 360
acacagacct catcttgtaa cgggaagcca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cctttctgtt accccaccat ttgtcaaccc 480
ggagcctctt tttttcttt ccaagaaggc tgagttctac attgatgtga ttgaagnccc 540
tccgcagggt tcctctgggg gcccttcacg atnacntgtg cgtcccttca gagtaatgtc 600
gacatcttct gggaatgtcg acagtctgat tgctganaat agtctncatt ctcgacctc 659

```

<210> 459

<211> 461

<212> DNA

<213> Homo sapiens

<400> 459

```

cctccctggg aagtggaggg ggccaggcca cgaccaggca gaaatccacc aaaacaggag 60
ggccaccgac atacaaacgc aggacacaga aacaacatgg gccccattcc aaaggatgac 120
ctcaatgaaa gaccagcaaa atctacctgt gacagtgaga acttggcagt catcaacaag 180
tcttccagga gggttgacca agagaaatgc actgtacgga ggcaggatcc tcaagtagta 240
tctcctttct cccgaggcaa acagaacctg gtgctaaga atgtggaaac gcacacagg 300
tctctaattg aacaactaac aacagaaaaa tacgagtgca tgggtgtgtg tgaattgggt 360
cgtgtcacgg cccagtggtg gagttgtcag agctgttacc atgtgtttca tttgaactgc 420
ataaagaaat gggcaagggtc tccagcatct caagcagatg g 461

```

<210> 460

09920300-03101

<211> 584
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 530
 <223> n = A,T,C or G

<400> 460
 gccgttggtc ctgtgcgggc acttagccaa gatgcctgag gaaacccaga cccaagacca 60
 accgatggag gaggaggagg ttgagacgtt cgcctttcag gcagaaattg cccagttgat 120
 gtcattgatc atcaatactt tctactcgaa caaagagatc tttctgagag agctcatttc 180
 aaattcatca gatgcattgg acaaaatccg gtatgaaagc ttgacagatc ccagtaaatt 240
 agactctggg aaagagctgc atattaacct tataccgaac aaacaagatc gaactctcac 300
 tattgtggat actggaattg gaatgaccaa ggctgacttg atcaataacc ttggtactat 360
 cgccaagtct gggaccaaaag cgttcatgga agctttgcag gctgggtgcag atatctctat 420
 gattgggacc ccgcctgcct gtcctgtgcc caccacgcag cagtcagggg agaaaatggg 480
 ggctatccct tctgcttaga gaaagaaatg gcctttagct ggtttcatgn ttgtgttttg 540
 actggaggga gtagacccta tctataaggt gccccccatc atcc 584

<210> 461
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 421, 430, 455
 <223> n = A,T,C or G

<400> 461
 cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatggg gttgaagtgt 60
 tggggcgggc aaaatttttg gggggtggta tggagagaga atgggtgatg tttctcaggg 120
 ctgcttcaag tgggattggg gcggcggtgg aacataaagt gggagagatt aagctgaagg 180
 gaagtcttgt ggtaagggat gatattgtgg ggatgttaga agaaacattt gtcatataga 240
 atgattgggt atggcctgga tacagttttg gatgaactga gaagctaaat ggaagataca 300
 aggtctgaat aaaaggagga gaaaaatggg tattaaagga ctaagaattg ggaggacca 360
 ggacatccaa ttagagagtg cccaaggggg ttacagcgtaa ttacttgctt ggttggcaag 420
 nttttgggcn ctatccttga gtttttttat gttgncatac accaggccag a 471

<210> 462
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 462
 ctgctgcagc agcggcacta caagccaaat cagatgagaa ggcggcgggt gcaggcaaga 60
 agcctgtggg aggtaagaaa ggaaagaagg ctgctgttgg tgttaagaag cagaagaagc 120
 ctctggtggg aaaaaaggca gcagctacca agaaaccagc ccctgaaaag aagcctgcag 180
 agaagaaacc tactacagag gagaagaagc ctgctgcata aactcttaaa tttgattatt 240
 ccataaagggt caaatcattt tggacagctt cttttgaata aagacctgat tatacaggca 300
 gtgaaaaaaa aaaaaa 315

<210> 463
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 463
 aaagagtggg ctgcaccccc cacacgccat ttacatcagc ttcataaaca cttttcttcc 60
 tccctgtaac ttaacctttt ttccctttta tgaagttgag aggctttatg aaataagttt 120
 gcattgcaca tccgtgcaga aatctttctg actttgaaat ttttaggacg tcag 174

<210> 464
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 464
 ccatcttcca caagtactcc ggcaggagggt gtgacaagca caccctgagc aagaaggagc 60
 tgaaggagct gatccagaag gagctcacca ttggctcgaa gctgcaggat gctgaaattg 120
 caaggctgat ggaagacttg gaccggaaca aggaccagga ggtgaacttc caggagtatg 180
 tcaccttctt gggggccttg gctttgatct acaatgaagc cctcaagggc tgaaaataaa 240
 tagggaagat ggagacaccc tctgggggtc ctctctgagt caaatccagt ggtgggtaat 300
 tgtacaataa attttttttg gtcaaat 329

<210> 465
 <211> 384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 167
 <223> n = A,T,C or G

<400> 465
 ttctggggta ggaagtgggtc ccgggagatt ttggatggaa aagtcaggag gattgacagc 60
 agacttgcag aattacatag agaaattagg aacccccaaa ttcatgtca attgatctat 120
 tccccctctt tgtttcttgg ggcatttttc cttttttttt tttttgnttt tttttacccc 180
 tccttagctt tatgcgctca gaaaccaa taaaccccc ccccatgtaa caggggggca 240
 gtgacaaaag caagaacgca cgaagccagc ctggagacca ccacgtcctg cccccgcca 300
 tttatcgccc tgattggatt ttgtttttca tctgtccctg ttgcttgggt tgagttgagg 360
 gtggagcctc ctggggggca ctgg 384

<210> 466
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 466
 ctgcttttatt tggagaaata ccgacctaa atgcgattac gcttcagaga taccaatggg 60
 cattgctgtg ttcagtagaa ggaaatgtaa acgaaggctg acttgattgt gccatttaga 120
 ggggaactctt ggtacctgga aatgtgaatc tggaaatatta cctgtgtcat caaagtagtg 180
 atggattcag tactcctcaa ccactctcct aatgattgga acaaaagcaa acaaaaaaga 240
 aatctctcta taaaatgaat aaaatgttta agaaaagaga aagagaaaag gaattaattc 300
 agtgaaggat gattttgctc ctagttttgg agtttgaatt tctgccagga ttgaattatt 360

0990300.03104

ttgaaatctc ctgtcttttt

380

<210> 467
<211> 250
<212> DNA
<213> Homo sapiens

<400> 467
cgcgactggg accagaagca gaggcctggg ccctcccgcg actacagcca ctactacacg 60
accatccagg acctgcggga caagattctt ggtgccacca ttgagaactc caggattgtc 120
ctgcagatcg acaacgcccg tctggctgca gatgacttcc gaaccaagtt tgagacggaa 180
caggctctgc gcatgagcgt ggaggccgac atcaacggcc tgcgcagggt gctggatgag 240
ctgaccctgg 250

<210> 468
<211> 274
<212> DNA
<213> Homo sapiens

<400> 468
aaatacagag agtcttagtt tggactgaaa gagaaaaatt gctctgatct ttctaaagct 60
tgaacattaa ggcttctttg caattttctt agagctcttt gatcgtaaata tataatctttc 120
catcgaagag aagcagattt cttctgagat ttctgaacag ttcttggttg tttccggttc 180
tgcttcagtg taccatcact ttgccttgcc tcagtctctc ctctctccgg ggccacagaa 240
ggagaaaagcc caaagcatac ccatcctgcc cttt 274

<210> 469
<211> 168
<212> DNA
<213> Homo sapiens

<400> 469
ccagtcacac gttgtagcct gacttcagtg agttctgatg tgtgcttttt gcaaatacat 60
gtttctcagaa cagtgagatc atccagcagt ggcttggtt gcactcacat aaaaatcatg 120
agacagccat ggctacttgt ttctgtaata catgcatgtg tgtttttt 168

<210> 470
<211> 411
<212> DNA
<213> Homo sapiens

<400> 470
ctggctagtg gcttattact tgtgactgga cctctgggtcc tcaatcgagt tcctctacga 60
agaacacacc agaaatttgt cattgccact tcaacaaaaa tcgatatacag caatgtaaaa 120
atcccaaaaac atcttactga tgcttacttc aagaagaaga agctgcggaa gccagacac 180
caggaagggtg agatcttcga cacagaaaaa gagaaatatg agattacgga gcagcgcaag 240
attgatcaga aagctgtgga ctcacaaaatt ttaccaaaaa tcaaagctat tcctcagctc 300
cagggctacc tgcgatctgt gtttgctctg acgaatggaa tttatcctca caaattggtg 360
ttctaaatgt cttaaagaacc taattaaata gctgactaca aaaaaaaaaa a 411

<210> 471
<211> 628
<212> DNA
<213> Homo sapiens

0920300-073401

<220>

<221> misc_feature

<222> 495, 569

<223> n = A,T,C or G

<400> 471

```
ctgaggagac tccggcgctc gccatggccg acgaaaagcc caaggaagga gtcaagactg 60
agaacaacga tcatattaat ttgaagggtg cggggcagga tggttctgtg gtgcagttta 120
agattaagag gcatacacca cttagtaaac taatgaaagc ctattgtgaa cgacagggat 180
tgtcaatgag gcagatcaga ttccgatttg acgggcaacc aatcaatgaa acagacacac 240
ctgcacagtt ggaaatggag gatgaagata caattgatgt gttccaacag cagacgggag 300
gtgtctactg aaaagggaac ctgcttcttt actccagaac tctgttcttt aaagaccaag 360
attacattct caattagaaa actgcaattt ggctccacca catcctgact actaccgtat 420
agttttctct attctttcat ttcccccttc cccattcctt tattgtacat aaagtaactg 480
gtatatgtgc acaangcata ttgcattttt ttttactaa acagccaatg gtatgttttg 540
attgacatca agtggagacg ggatggggna aaatactgat tctgtgaaat accccctttt 600
ctccattagt ggcattgctca ttcagctc                                     628
```

<210> 472

<211> 385

<212> DNA

<213> Homo sapiens

<400> 472

```
aatgagaat acgagaatac ccagaatttt attcccagcc tttgtgtgga aaaggcagtt 60
tgcattctta ggaaacatct aactgttacc taaaccataa atatttctat ctactccatt 120
caacccaatt aaagaaaaca aatgatgag aaaaatagga gccgaacaga aagaaaattc 180
acatcatttt ctactattac gaacattcaa atggtgcttc aaattaaata cttttaatta 240
tcattctagc caggatcata ctaagtagga tctcatgaca gtcacatatg cagcgacttc 300
acctaaccg tggcactgaa tgctctgcca tgagccgcaa gcagcacagt gatcatcacc 360
cacaaggaca ggttgctggg atgag                                     385
```

<210> 473

<211> 464

<212> DNA

<213> Homo sapiens

<400> 473

```
aaatatatta aatatttcac tgaaatacat gggtcaccat cctccccac cccacagtg 60
gttacattat aaaaccaaag ccacggcct ccacctcct gactcctcta ccaactgggt 120
gaggaaaggg acaatggtag ccaggggaa gggcatggct ggcaactgtg tacggggatc 180
caggggtgtg acaggccctc ccacctggca agaagcagag acaagccacc caaggctgag 240
gtcttccccac tctgatctac ttataccctc acccctaccc catggcacca agtagtctct 300
tcctatccct tcctatccag ggatatggct ggggacaggg gagtagattt tctgtctgga 360
aaacaagtct tttccccctc ttctgccatg actaatgaag tacctgatgg cccatttggt 420
tgatgtatga agatgcccaa gggaggcatt acccagaaac cagg                                     464
```

<210> 474

<211> 449

<212> DNA

<213> Homo sapiens

<400> 474

09520300.03401

```

ccgggcaggt gttcggacta tttgtagtca tgtacagaac atgatcaagg gtgttacact 60
gggcttccgt tacaagatga ggtctgtgta tgctcacttc cccatcaacg ttgttatcca 120
ggagaatggg tctcttggtg aaatccgaaa tttcttgggt gaaaaataca tccgcagggt 180
tcggatgaga ccagggtgttg cttgttcagt atctcaagcc cagaaagatg aattaatcct 240
tgaaggaaat gacattgagc ttgtttcaaa ttcagcggct ttgattcagc aagccacaac 300
agttaaaaac aaggatatca ggaaattttt ggatgggtatc tatgtctctg aaaaaggaac 360
tgttcagcag gctgatgaat aagatctaag agttacctgg ctacagaaag aagatgccag 420
atgacactta agacctactt gtgatattt 449

```

```

<210> 475
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 317, 383, 402
<223> n = A,T,C or G

```

```

<400> 475
ctgtcaccat tctcacgtga ttcttggtgag actctttttg gttataatta ctatttaata 60
tttagactat ttacttgagc agactttata aatgagatat ctacaaggca cttaaagtgt 120
tacagatgtt ttaccttaag aattatttaa gttgtgttgg gttaagacag ttttcagtgt 180
accgtaaatg ttgtgttttc agaaaaagac aaaacgatgg tgctgactgg ttttctgtat 240
attgcacaac agccctcaaa tacactgatg tatgaaacta ttcatacatc aagcagcatt 300
tttttcactc tccttanaat tggaactatg cagttaaggc agataaaatg tacagatgtt 360
tcatatatta cagggtacat atntaaatca aaatttccta tntaaaactg att 413

```

```

<210> 476
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<400> 476
aaaaagtcac cctacttaga aatcttctgt ggggggtggga gggacaaaag attacaaacc 60
aaaactcagg agatggtaac actggaattg ataaaatcac ctgggattag ttgtataact 120
ctgaaccacc aaacctctgc tatcaagcct tgctacagtc atggctgtcc agaaagattt 180
acagttattt ttctgagaaa ggatccatgg gctttaagaa cttcagaact ttaagaactt 240
cagaagttct taagttgctg aagctcaagt aacgaagttg aatgcaatca aaaaaagaat 300
accagggagt caaggc 316

```

```

<210> 477
<211> 154
<212> DNA
<213> Homo sapiens

```

```

<400> 477
ctgctgcccg tgctgggtgcc attgccccat gtgaagtcac tgtgccagcc cagaacactg 60
gtctcgggcc cgagaagacc tcctttttcc aggccttagg tatcaccact aaaatctcca 120
ggggcaccat tgaaatcctg ggtgtccgca atgt 154

```

```

<210> 478
<211> 496
<212> DNA

```

09920300.073104

<213> Homo sapiens

<400> 478

```
ctgaatctta gcggctacag aaagaatctc cagaaatcag atctctctac tttagttaga 60
agatgccccca atcttgtcca tctagactta agtgatagtg tcatgctaaa gaatgactgc 120
tttcagggaat ttttccagct caactacctc caacacctat cactcagtcg gtgctatgat 180
ataataacctg aaactttact tgaacttgga gaaattccca cactaaaaac actacaagtt 240
tttggaatcg tgccagatgg tacccttcaa ctgttaaagg aagcccttcc tcatctacag 300
attaattgct cccatttcac caccattgcc aggccaacta ttggcaacaa aaagaaccag 360
gagatatggg gcatcaaatg ccgactgaca ctgcaaaaagc ccagttgtct atgaagtatt 420
tattgcagga tgggtgtctct tctttagaac agggaaaaata ggcaggaagc ccaattgctg 480
gagtacttag ctagtt 496
```

<210> 479

<211> 521

<212> DNA

<213> Homo sapiens

<400> 479

```
aaaaagttgt atttatagcc ccagtaaccg gaaagaatta taagtaatta tggaagtatt 60
atattctgac cataccaaga gttaaaaaca aagagttcct actaaagagg aatattttca 120
agatgatctg gtcacatcat gtgcatagtt aagattgttt gttttaataa agattctttt 180
gcaaataaag aaataaaaatt tagtaaagtt attcttctct tgatgaaaaa accttaaaaa 240
tgaaccactg gtggtttaag aaggggggaa aaaagagtaa gctacatatt gaagttctag 300
aatgcagcac ctcaacttca catcttccat aagcatttaa gattaagaaa tccaagtgat 360
gtcttgacga tcgaatcaca ctttatagtt cttccaattc caatgtctga ctttagcatc 420
tcatgtcaat taaaagttcc ctaatacaaa atattgtgct aaagagtgcg aagattctgc 480
atgctgctgc cattccctgg tcccgttcat gcttgtagct g 521
```

<210> 480

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 3, 24, 245, 251, 277, 284, 305, 309

<223> n = A,T,C or G

<400> 480

```
gtngaccggg gcgcgggctc catncgggaa gccggtgggg ccttcggaaa gagagagcag 60
gctgaagagg aacgatattt ccgagcacag agtagagaac aactggcagc ttgaaaaaa 120
caccatgaag aagaaatcgt tcatcataag aaggagattg agcgtctgca gaaagaaatt 180
gagcgccata agcagaagat caaaatgcta aaacatgatg attaagtgc caccgtgtgc 240
catanaatgg nacatgtcat tgcccacttc tgtgtanaca tggntctggg ttaactaata 300
tttgntgng tgctactaac agattataat aaattgtcat cagcgaaaaa aaaaaaaaaa 360
aaaaaaaaag cttgacctgc c 381
```

<210> 481

<211> 419

<212> DNA

<213> Homo sapiens

<400> 481

09920300.073104


```

cctttatttta tctagctcaa agtagacact atcacaaatct tgtttggttac tccttttact 60
aaaatagttc aaatcaatgt ttttaccaca ctatcaaaaaa gttctatttc ttcttgtctc 120
cccacgtcag agtggttgaa tagaaggtag aaacaggccg ggagtccacg ggctcccagc 180
tctaaacggc gccagggcag gaaggggtgg ctccaggctc cactgtggca ccttctacag 240
aaaatagacg tagctgccgg gcccggggac agaaaccaga cgttccagtc catctccaaa 300
aagcagcaca aatactttgc cccacagtat gaaaaatata cacctctacc gctctgcagt 360
catgcattta gttttaagaa aaaaaaaatc agtagtatgt atcttgtttc ctcaagttt 419

```

```

<210> 482
<211> 314
<212> DNA
<213> Homo sapiens

```

```

<400> 482
ctatcttcct gggtagatgc cctgggtgtag ggctgagtag tgaatgggtct tccatcccca 60
gcaaggggggt gcagcccagg gtcaggccct tcagagccag ggcagaggac gcacgggtggc 120
tagagccgct gcactatcct tttcagagca cttcatccac ttgctcctcc ctctaccctc 180
ggcaccctgg gtgggaaagg gttgatgctc atcatttatt gaggggaagc cacttaataa 240
ggagtccagc ctaaaagggg gtgggggaca ttttcttacc tcacccaaga aagagggtcgt 300
cacttttgct gtgg                                     314

```

```

<210> 483
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 418
<223> n = A,T,C or G

```

```

<400> 483
cttggtcaat ttttgtatta ttagtagaga cggggtttca gcatgttggc taggccgggtc 60
tctcctgacc tcaggggtgat cagcccacct cggcctcaca aagtgtctggg attacaggcg 120
tgagccacct tgcccagccc acatcatata gtttgaaatg aaactttgcc acaaccagcc 180
tttgctgtag cacacacata tatcactgaa cctgtttgaa ataaagtttt ttttcttttt 240
catgattcgt ctttgagtac ctccaggctg aaagactgtt gtaccagtaa aaacttaaag 300
gcacaaattc tccttgaaga ccttctccct tttatgtggc cccatatttt atgttgcttt 360
atctttgaaa ttttgcataa aaaggaaatg aatggattcg aatgaaattg tcctttanag 420
catgattact tgttcccatg gacaaatatt tttctccctt tgctcttctt 470

```

```

<210> 484
<211> 252
<212> DNA
<213> Homo sapiens

```

```

<400> 484
ctggagcagc agcagtggag ggggcaggac ctectgtctg tgcagcacca gcctaaatgc 60
tccacttaaa agatacagaa ctgcagaatg ggtaagaact caccaacca tcatctgctg 120
ccttcagaag actcacctag cacataagga ctcaaataaa cttaaagtaa aggggtggaa 180
aaaggcattt catgcaaag gacacaaaaa gtgagcaggg gtagctatcc ttacatcaga 240
caagcaaaact tt                                     252

```

```

<210> 485

```

<211> 520
 <212> DNA
 <213> Homo sapiens

<400> 485
 aaaagaagaa atcatgcaag aaaacaaagg gaacaaaaaa tctgccagcg ttatgatcag 60
 ctcatggagg catgggagaa aaaagtggac agaatagaaa ataatcctcg gaggaaagct 120
 aaagaaagca aaacaagggg atactatgaa aagcagtttc cagaaattcg aaaacaaaga 180
 gaacagcaag aaagatttca gcgagttggg cagaggggag ctggtctttc agccaccatt 240
 gctaggagtg agcatgagat ttctgaaatt attgatgggc tctctgagca ggagaataat 300
 gagaaacaaa tgcggcagct ctctgtgatt ccacctatga tgtttgatgc agaacaaaga 360
 cgagtcaagt tcattaacat gaatgggctt atggaggacc ctatgaaagt gtataaagat 420
 aggcagttta tgaatgtttg gactgaccat gaaaaggaga tctttaagga caagtttatc 480
 cagcatccaa aaaacttttg actaattgca tcatacttgg 520

<210> 486
 <211> 568
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 433, 475
 <223> n = A,T,C or G

<400> 486
 ccttgctatg aagcagtggt tgaatggaca atgttgaatg aatgtctggc tcagtgatgg 60
 agagccaggt tcatctttga aatctagggc tcttactca tgaagcagac tcctagtcct 120
 ggagtgactg tgtacgagag cgtggttgtg gtgctgtatg tgaacgcatg caagcttgat 180
 tcaccttcag ggggctgata acctagtaaa tcatcaaaat gagatcataa gtgttaatgt 240
 aactggaca tgaaaacaaa gactggttta gcagcagaca ttggtttact ctgcagcctg 300
 tgttttctgt ttcccccttt cccacctcct tccccccacc caatcctttt ttttttcttt 360
 ttgcttttc ttttctttt tttagttttt atttacttta cctagtatgc ctttttttag 420
 ttgcttctca agncagaaaa cttttcagga aggtttccct gtgcatttgc accanatgaa 480
 tgtttgatgc tatgaaaagc tttccatata atcaaaaacta atttgtgtag atttttgcat 540
 gaaaaaaatc ataaatttcc ctcaaaat 568

<210> 487
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 487
 ctgcagcctg ggactgaccg ggaggctctg accatttacc caccacaggt aggttgtgtt 60
 ctgaacctca ggttcacagg tgaaggccac agcatccttg tcctccacgg ggttggagtt 120
 gttgctggag atggagggct tgggcagctc cgggtatata tggaaactgtc cggttgcttc 180
 ttcattcaca agatctgact ttatgacttg tagggtatag aatcctgtgt cattctgggt 240
 gacgttcttg atcagcaggg atgcattggg gtatattgtc tctcgaccac tgtatgcggg 300
 ccttggggta gcttgttgag ttccatttac atatectaca attagactgt tgccatccac 360
 tctttcgccct ttgtaccag 379

<210> 488
 <211> 475
 <212> DNA

09920300.073101

<213> Homo sapiens

<220>

<221> misc_feature

<222> 361

<223> n = A,T,C or G

<400> 488

```
ctgtcagggg cggcgtgcct ggtgatgcgg catcttacct tcatcccat ctcagaatgg 60
gcagccagtc tcagattcaa ggaggaggaa tcctgagggtg tggcggttcag tcctgaggta 120
gacctgaggt cccctggaaa ttgtgttgat gctgagatgg atgaggggtg ctatttctct 180
caggtagaca gtgaggagtc ctggttcagc cgagcctcca tgtctgcatg gatggttatg 240
accctgattg tttttggaaa cagccaagct ctctaggtgt actcagcaaa tgcaaggatg 300
agtgggtcct gcataccag ggtattatgt gagccatgga agcaaaacag agactgctta 360
nctccctaa gagtagttgg tgggagaggc cagcaaccat ggaggcagga gcagctcctc 420
tttgccctctg agtagtcccc acatgttccc cttccagag atttcaactg ccagg 475
```

<210> 489

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 324

<223> n = A,T,C or G

<400> 489

```
ctggcccttg aagtccaggt cgatggtgaa gtccaggtcc cggttggttct tggcggttggg 60
ccgcatgccg atggtgccga agatctcctc gcccgcttc acggtcaggt agtcctccat 120
gtagaacacc gtctgcttcc agtgcggtga cggggactcg gggctggtgg agaagccggt 180
cctcttggtg cagcggtgtga actcgatgtt gaagtaggcc accagggcgt gcacgtagtc 240
attccgcttc acttgcaggc agaacgggga ggtgaaggtc aggtcttcca ccttgacggt 300
atagatgtcc acctccttta tgangcaggc gttggtgacc ag 342
```

<210> 490

<211> 428

<212> DNA

<213> Homo sapiens

<400> 490

```
ccatagctga agctgtgggg ccagttgata cctgctggca ggaaatggct gttttttagg 60
tttgatattt tgtgccgcca cttttgtaag gcctgggaga tcccagggtc ctccaccctc 120
cccctgacca catacaaagg cactctagtt caagagtga aaatctcacc caggaggaac 180
agccctcctt gaagcaatgg cagggccagc agggaggtgg gcatggcagg gaatggagag 240
agtgagccag acagacttca cctccttact ggacacaggg tcaagggcga gtttcaattg 300
ctgctccctt tactttctct acctgtgact actccctgga ccaatcctga ggagggcaca 360
ttttccagaa gccacgtgat aggggctggt ttctgtggag ccagaggcag agacactgaa 420
cttgagct
```

<210> 491

<211> 450

<212> DNA

<213> Homo sapiens

09920300.073101

<400> 491
 ctttgacttg gactatgact ttcaacggga ctattatgat aggatgtaca gttaccacgc 60
 acgtgtacct cctcctcctc ctattgctcg ggctgtagtg ccctcgaaac gtcagcgtgt 120
 atcaggaaac acttcacgag ggggcaaaag tggcttcaat tctaagagtg gacagcgggg 180
 atcttccaag tctggaaagt tgaaaggaga tgaccttcag gccattaaga aggagctgac 240
 ccagataaaa caaaaagtgg attctctcct ggaaaacctg gaaaaaattg aaaaggaaca 300
 gagcaaaca gacgtagaga tgaagaatga taagtcagaa gaggagcaga gcagcagctc 360
 cgtgaagaaa gatgagacta atgtgaagat ggagtctgag gggggtgcag atgactctgc 420
 tgaggagggg gacctactgg atgatgatga 450

<210> 492
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 492
 ccagaggggt gtgctgaagt ttgctgctgc cactggagcc actccaattg ctggccgctt 60
 cactcctgga accttcacta accagatcca ggcagccttc cgggagccac ggcttcttgt 120
 gggttactgac cccagggctg accaccagcc tctcacggag gcatcttatg ttaacctacc 180
 taccattgag ctgtgtaaca cagattctcc tctgcgctat gtggacattg ccatcccatg 240
 caacaacaag ggggctcact cagtgggttt gatgtggtgg atgctggctc gggaagtctt 300
 gcgcatgcgt ggcaccattt cccgtgaaca cccatgggag gtcatgcctg atctgtactt 360
 ctacagagat cctgaagaga ttgaaaaaga agagcaggct gctgctgaga aggcagtgac 420
 caaggaggaa t 431

<210> 493
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 457
 <223> n = A,T,C or G

<400> 493
 cccagctaatt tttgtatatt taatagagac ggggtttctc catgtttggtc aggctgttct 60
 tgaactcctg acctcaggtg atctgcctgc ctggcctct caaagtgctg ggattacagg 120
 catgagccgc catgccagc ccaacatact caattatttg ctgcctgttc tttcatccct 180
 tccagcaaca tgccatagaa ctagagatga taaaacaaca cttgtttgtt tctatgtcat 240
 gacgtgggtc ctatgattct attgattagt attcacagca ttcaattatt caaaaacca 300
 ggaagagctt ttcataggct taataaaaaa gaaatagagg cagaaagaaa tgggggcagg 360
 taaaccttat tgcttggtg gacacacatt ttagactttc acattactcc agactcaaaa 420
 aaggtaaacc aaaatgttct tagaacttca ttattgnnta atcattgaca g 471

<210> 494
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 494
 aaagttgctt tgctggaagt ttttataagg aatctcaaat taaactttta gaagttta 60
 tgacactagg aagccaaacc aaggctgact tcagactttg tttgtagtac ctgtgggttt 120

attacctatg ggtttatatc ctcaaatacg acatttctagt caaagtcttg gtaatataac 180
 caatgttttc aaatgtattc tgttatacaa agagcagatt ttatttgaac ttgtgcaata 240
 actatattac catacaatat aaatattcat gaatagtttc ccaagtctgg agcgaccaca 300
 tagggagaaa atgtaaattgt ctcaattttt gttcacaaaa gtatatttta tcaaattgct 360
 gtaagctgtg 370

<210> 495
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 495
 ctgatctggt tgaaggcggg gtggtcgtaa attggctttg tccagtaagt acaggggatg 60
 gggatagggg taaggatagc ctccctggaa tcctgtgtca tttttcacat cataaatatt 120
 gcattcatga agatcgatga tgggtgatat ggggtagaag gtctctagaa catgattctt 180
 agtagcttca atctcctctc tggaggcgat ggtgggcaga ggatccttag tgctcagtcg 240
 ggctccacca gaaccacgga cttgaaggag aagagactct cgggtccagg tagcagaaaa 300
 cgtggagttt tggacacaga tcctcctggt cagagaagga tgcttgagaa tctgagattt 360
 acacag 366

<210> 496
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 496
 ctgcggtggt aggctgcaga cctcaccgac accgatccag accactcctc ccaaggacac 60
 ttgtagcccg gagctgctca tgtccttgat ccagacaaag tgtgccgacg acgccatgac 120
 cctggacta aagaaagagc ttgttgcgca ttgaagtgc accatcacgg gcctgacctt 180
 ctgggacccc ag 192

<210> 497
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 497
 cctaccgcaa ggtcacagca cagttttgta tagaatgttg cagaaaacag gatggagaag 60
 ccactactgc tgctatgaag gagtgcgggg ggcggggcgg ggggtccac agaacctgct 120
 ttccaaacgc tgctgctgaa cactggcctt gaaatgaaca ccaggacaat ctgtgtgtga 180
 tgggaatgag ccacctcaga tgtggagggc cctgaagaat ccatatagga gggcaggctc 240
 t 241

<210> 498
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 498
 ctgtccctcc actacagaaa cctcacagaa cacagcaaag gataagtgc agaaggctgc 60
 ttccagctcc aaagcaccta agaattggagg taaagcgaag gattcagcaa agacaacaga 120
 ggaaacttcc aagccaaaag atgactaaag aaatacaagt taaggatatc ggtatctgca 180
 tgtaaaatct tcag 194

0920300 073101

<210> 499
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 395
 <223> n = A,T,C or G

<400> 499
 tttttgtgtg agcaacaagg ctgtttatatt cacctgggtg caggcgggct gagtccgaaa 60
 agagagtcag caaagggaga tggggtgggg ccgttttata ggattaggga aggtaatgga 120
 aaattacagt caaagggggg ttgttctctg gtgggcaggt gtggatctca caaagtacac 180
 tctcaagggg ggggagaatt acaaaggacc ttcttaaggg tgggggagat tacaagtac 240
 atttatcagt taggggtggg caggaacaaa tcacaatgtt ggaatgtcat cagttaaggc 300
 tgtttttact tcttttgtgg atcttcagtt acttcaggcc atctggatgt atacgtgcaa 360
 gtcacagggg atgcgatggc ctggcctggg ctcanagg 398

<210> 500
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 344, 428
 <223> n = A,T,C or G

<400> 500
 ctggttagagt atttagagtc ctgagataac aaggaatcca ggcatccttt agacagtctt 60
 ctggtgtcct ttcttcccaa tcagagattt gtggatgtgt ggaatgacac caccaccagc 120
 aattgtagcc ttgatggag aatccaattc ttcactctca cgaatagcaa gttgcaagt 180
 acgaggggta atacgcttta cctttaagtc ttttgatgca tttcctgcca gttcaagtac 240
 ctctgcggtg aggtactcca ggatggctgc gctgtacaca gcggcagtcg cgcccacacg 300
 tccatgactg gtgcgtcctag atttttaggtg tcgatgaata cggncactg ggaactgcaa 360
 gccggctctc tgcgagcggg aaaccgcctt tgtcttggcc tttccggagt cctttccagc 420
 cttaccgnca gccattt 437

<210> 501
 <211> 488
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 478
 <223> n = A,T,C or G

<400> 501
 ccaatcagtg ggatccgagg tggctcggcc catcatgccc aggatctgag ccacatctg 60
 gcaccagctc taccaagggc ctgttgggccc cacacaagct tgccgtgacc tagtcaggct 120
 ggtaccggca cctcctgaaa tgggtcacc tccggttctt gctcagcagc tctgagccct 180
 tttccagcct cttggaggga agtaacaaca gcagcatctg ccgaggagca caccggttcag 240

09920300-073101

```
<210> 502
<211> 589
<212> DNA
<213> Homo sapiens
```

<400>	502					
aatcaacat	taaccaaagt	acctgcaagt	aacactgctt	actcttgctg	tttgccat	60
ctgactggaa	accttagccc	ccaaatatga	aatgccttct	ctagattaaa	aggattcaga	120
gatgttacac	tattgacta	tatttctgct	tcccgatctc	gtttctgagt	cctagtga	180
tcgtaacaa	gagatgaaat	aaacgtcgct	ccattttaat	accgtcttta	gtatcataca	240
catgtgttca	gtagtga	acccaaagcc	tcctgccaca	ggagcagtag	tcgaagcaca	300
gaggggaccc	cgetctgctg	cctccccatg	cagtccagtg	atgaggtgga	tggagtcctc	360
cccacagtc	caccccaagc	ttcctcttct	ggtgaaata	ggcaca	cttgcttggg	420
cntagtcag	cttcca	aaagctgggc	actacagct	ggagaatgaa	gtggtaac	480
ataaataaaa	ccttcacag	cacaggcagg	agccaccac	tcttcttcac	ttactgncc	540
gtgtcanaag	ggactgan	cagaqctnqa	cttcnagggt	gcagatgcc		589

```
<210> 503
<211> 192
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 35, 36, 38, 71, 125, 143, 189
<223> n = A,T,C or G
```

<400>	503						
gctttttttt	tttttttttt	tttttttttt	ttaanncnca	gggtttat	gcaaaactgg	60	
gctgggttga	ncaaagggg	cttgggatg	ctgaccctc	tctgacctg	ccgttgcgac	120	
ctcancctg	agttaccctg	cancaggcat	ggacaggcgg	ccgccttgcc	tgtcgcaact	180	
tctgtgcanc	aa					192	

```
<210> 504
<211> 473
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 427  
<223> n = A,T,C or G
```

<400> 504
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaattttttt ggggggtggt tggagagata atgggcatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgtcgtatag 240
 aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggagataac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
 ttacttnaag agttaagagt ggcagtttgg gggatagcac caggagatat cag 473

<210> 505
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 505
 ccaaataatca tctttgatga cctctcctaa ctcatcagca cctgcatcag aatggtcagt 60
 aaaccaggta aagaagctct ctggttcctc atgctgcctc ttctgctgg ctttattctg 120
 tgtttgactc g 131

<210> 506
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 195, 476
 <223> n = A,T,C or G

<400> 506
 gtgcaaagga tgagttgcac attggtgaag cagaggcaat gaattacgaa ggcagtccaa 60
 ttaaagtaac actggcaact ttgaaaatgt ctgtacagcc aacggtttcc cttgggggct 120
 ttgaaataac accaccagtg gtcttaaggt tgaagtgtgg ttcagggcca gtgcatatta 180
 gtggacagca cttantagct gtggaggaag atgcagagtc agaagatgaa gaggaggagg 240
 atgtgaaact cttaagtata tctggaagc ggtctgcccc tggaggtggt agcaaggttc 300
 cacagaaaaa agtaaaactt gctgctgatg aagatgatga cgatgatgat gaagaggatg 360
 atgatgaaga tgatgatgat gatgattttg atgatgagga agctgaagaa aaagcgccag 420
 tgaagaaatc tatacagagat actccagcca aaaatgcaca aaagtcaaat cagaantgga 480
 aaagactcaa aaccaccatc aaca 504

<210> 507
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 507
 ccacacatag cacagccacc agtgtcctca gaactagcag tcagggtcac agaacagtat 60
 tcaaaatgat tgcccacctg ttttagaaat ctaaaatttt acatgtaact aagagcaaag 120
 tgctatgtgg gttttagacc atgactgttt gtttgctctc ctgccctacc accaagcaaa 180
 gcagcagggc tcctggggga gagggatttc aacccccctg atggcagggg gtgctctggg 240
 gaggagagag gagagacag gctgttttgg aaaattccag cactttgact tcggggccatg 300
 cgtctctcct ggacgttctg agtacggatc gctcagg 337

09920300-03404

<210> 508
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 508
 agtaagtcaa cagcttattt taggaaactg taaaagtaat agggaaagag atttcactat 60
 ttgcttcatc agtggttaggg gggcggtgac tgcaactgtg ttagcagaaa ttcacagaga 120
 atgggggattt aagggttagca gagaaacttg gaaagtcttg tgtaggagatc ttgctggcag 180
 aattaacttt ttgcaaaagt tttatacaca gatatttgta tttaaatttg agtcatagtc 240
 agaagactca gatcataatt ggcttatttt tctatttccg taactattgt aatttccact 300
 tttgtaataa ttttgattt 319

<210> 509
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 509
 ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
 cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
 agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
 atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
 atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
 tcaaagcagt ggacaagaag gctgctggag ctggcaaggt caccaagtct gccagaaaag 360
 ctcagaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg 420
 gaagaacggt ctcagaactg tttgtttcaa ttgg 454

<210> 510
 <211> 325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37, 70, 95, 146, 154, 164, 167, 226, 279, 317, 320, 322
 <223> n = A,T,C or G

<400> 510
 agcttttttt tttttttttt tttttttttt ttttttngca ttgcaaaaat ttattaaaat 60
 tggagaccn tgttttaatc ttcttggtgcc atganactcc atcaggcagt ctacaaagac 120
 cactgggagg ctgaagatca cttganccca aaantttgag gctntantaa gcttcaaagg 180
 ccactgcacc ctaacttggtg tgaggcaaga ccctttcaag cataanctgc atgcttgctt 240
 gttgggggca ttaaaaaccc tgaaagcgaa gccacatnt taatcagggc aaaatacaaa 300
 tgtgtgatgc ttgttantan antaa 325

<210> 511
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 511
 cctctggttg caggactcgt gaatggagca gttctgagaa ccaccctttt gctaagggag 60
 cttgggagcc acatggctgc tcccttcaca ctgggtaaca gtgtagtatc ctgtgagaga 120

09920300.073101

ataaatgtat tcattt

136

<210> 512

<211> 474

<212> DNA

<213> Homo sapiens

<400> 512

```

cagccgggga ggctcccctc agatggatga catcaaagtg ttccagaatg aagtttttagg 60
aacactacag cggggcacaag aggagaacat ttcttgtgac aatctcgtcc tggaaatcaa 120
ctctctcaag taagagcagc cctccctgtg tctcctcggg gtgatcccggt gaaggttagag 180
gcttttctcgt aagtgttttg tctccaaata ggaacctatt ccttcgacat cccaaatgga 240
aagaccagta gtatttggag caggagagagc attattaagt tctagcctca gcatagactt 300
tctccttcct aaacctctcc cttccatatt gttccatcca gattcctctc caatgtctat 360
caaagtcata gttctaagcc tgctgaaagg ccagtgaagg ccttggtgtc accccagtct 420
ccccacaggt atgcctataa cgtaagtcta aaggaggtga tgcaggtact gagg 474

```

<210> 513

<211> 315

<212> DNA

<213> Homo sapiens

<400> 513

```

ccacacaggc tatctgaaca cgggtgactgt ctctccagat ggatccctct gtgcttctgg 60
aggcaaggat ggccaggcca tgttatggga tctcaacgaa ggcaaacc tttacacgt 120
agatggtggg gacatcatca acgcccgtgtg cttcagccct aaccgctact ggctgtgtgc 180
tgccacaggc cccagcatca agatctggga tttagaggga aagatcattg tagatgaact 240
gaagcaagaa gttatcagta ccagcagcaa ggcagaacca cccagtgca cctccctggc 300
ctggtctgct gatgg 315

```

<210> 514

<211> 385

<212> DNA

<213> Homo sapiens

<400> 514

```

aaaaatattt acgtcttaca ggagctggat aatccaggtg caaaaagaat tctagagctt 60
gaccagttta aggggcagca gggacaaaaa cgtttccaag acatgatggg ccacggatct 120
gactactcac tcagtgaagt gctgtgggtc tgtgccaacc tctttagtga tgtccaattc 180
aagatgagtc ataagaggat catgctgttc accaatgaag acaaccccca tggcaatgac 240
agtgccaaag ccagccgggc caggacaaa gccggtgatc tccgagatac aggcattctc 300
cttgacttga tgcacctgaa gaaacctggg ggctttgaca tctccttggt ctacagagat 360
atcatcagca tagcagagga tgagg 385

```

<210> 515

<211> 216

<212> DNA

<213> Homo sapiens

<400> 515

```

aaatttcatt tactttgttt tactgtaatt tacacaagag actgacaagt aaactaggta 60
ttttacattc accacacatt cctcacaatc tccacagttg ttagaaaaac attaaaatcc 120
atgcgcgggg ctctcatttc catgtgcgcc taagctccca atgatactac agatgccagc 180
gagagttaag ttcattaaaa ggagagggct agactc 216

```

T07E20"00E02E660

<210> 516
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 516
 cctctgttgc cagaccagag ctggaggtaa atgctgccat agtctctgga caaagcagtg 60
 agcccaaaga gatagttgaa aagtccaaaa tcccaggccg aagaaactcc cgaactgaag 120
 agccaactgt ggcctctgaa agtgtggaaa atggacatcg taaacgatct tctcgacctg 180
 cttcagcctc cagctctact aaagacataa ccagtgcggt gcaatccaag cgaagaaaat 240
 ccaagtaaac aagcaggact gcgacttgat acttggaat gtgtgtgact ttacaaaaga 300
 gcaattttga gctgtgactt tttt 324

<210> 517
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 517
 ctgacccgc ctgagggtc ctcaaagtct gagcaagacc aggcagaaaa tgagggcgag 60
 gactcggtg tgttgatgga gagactgtgc aagtacatct acgccaagga ccgcacagac 120
 cggatccgca catgtgccat cctctgccac atctaccacc atgctctgca ctgcgcgtgg 180
 taccaggccc gcgacctcat gctcatgagc cacttgcagg acaacattca gcatgcaggc 240
 ccgccaagtgc agatctttta caaccgcacc atggtgcag 279

<210> 518
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 518
 aaaaagtagt tagcatttaa tgaaactccc tccatgtggc ttcaagccac caggacacag 60
 gcccccccaa cactcttaaat cttctcctca gctcttctgc tgaagaattt ggccttcacg 120
 atgacaggct gctttgggag ctttcccttt cccagaactt tgtagtagcc cgatcgacac 180
 acatcaatga tgggagcagc ccccgctctt tttttagcag cattcacccg tgtctgttca 240
 ctgaccaaag tccacaattt gtcaagggtg acagttgggc agaagctctg gttcctcttt 300
 aagtggtaat gcttcatacc aactttccca aagtagcctg ggtggtattt gtcgaagttg 360
 atccggtggt gatgcagacc accagcatta 390

<210> 519
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 519
 ctggtgaatg acggtgccat gactgaggtg gtcgaaagg agtattttaag gggaaatcag 60
 gcattccgtt ttgaccaaata taagctggag atgcctgtgg aacattccag ccaggctgca 120
 tcacgtcaca ctgaccttca gcattgcca cagtccatct tccccagga cctgaggatt 180
 ttgcgtccgg ctccctcctc gccaggacc cccaagctcc cagcacgctt ctgatttttt 240
 tttgtagggt tttttttttg tttttgttt tgtttgttt tgtttttgag agggagtctc 300
 actttgtgcc ctagactgga gtgcaatggc gccatctcgg cttactgcaa cctccacctc 360
 ccaggtgcaa gcgattcccc tgctcagct tcccagtag ctgggattac agatgtgagc 420
 caccgtaccc agctaatttt tgtattttta gtagagacgg ggtttcacca tattgg 476

05920300 "073101

<210> 520
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 520
 ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
 cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
 agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
 atgctgccat tggtgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
 atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
 tcaaagcagt ggacaagaag gctgctggag ctggcaaggt caccaagtct gccagaaaag 360
 ctcaagaagg taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg 420
 gaagaacggt ctcaagaactg tttgtttcaa ttgg 454

<210> 521
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 521
 ggctctttac ctggacagag tgaggagcct ggagaccgag aaccggaggc tggagagcaa 60
 aatccgggag cacttgagaga agaagggacc ccaggtcaga gactggagcc attacttcaa 120
 gatcatcgag gacctgaggg ctcagatctt cgcaaatact gtggacaatg cccgcatcgt 180
 tctgcagatt gacaatgccc gtcttgctgc tgatgacttt agagtcaagt atgagacaga 240
 gccggccatg cgccagtctg tggagaacga catccatggg ctccgcaagg tcattgatga 300
 caccaatatc acacgactgc ag 322

<210> 522
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 522
 aaagcaacag aacctcgctg tcagtgagag tcctgtcaca ccctctgcac tcgctgagct 60
 tcttgacctg ctggacagca gaacaatttc ttcacagca gctaaacagg tgtttgagga 120
 actgtggaag aggggaaggca agactccagg gcagattgtt tcagaaaagc agcttgaact 180
 gatgcaggac cagggggcac tggagcagct ctaccactct gtgatggagg cccatcctca 240
 agtggtaatg gatgtgaaga acagaaaccc cagagctata aataaactga ttgggttggt 300
 ccggaagcgc actcaaagcc gagcagatcc agtcatgata aaggagatcc tggagaagaa 360
 gctgtcattg tgagatggt 379

<210> 523
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 320, 365
 <223> n = A,T,C or G

<400> 523

0950300"07340

```

ctggcttcac tgctcagggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctgggtg 180
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
tcaaagcagt ggacaagaan gctgctggag ctggcaagggt caccaagtct gccagaaaag 360
ctcanaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcag 415

```

```

<210> 524
<211> 245
<212> DNA
<213> Homo sapiens

```

```

<400> 524
tgcaaaaccc cactctgcat caactgaacg caaatcagcc actttaatta agctaagccc 60
ttactagacc aatgggactt aaaccacaaa acacttagtt aacagctaag caccctaatac 120
aactggcttc aatctacttc tcccgcgcgc gggaaaaaag gcgggagaag ccccggcagg 180
tttgaagctg cttcttcgaa tttgcaattc aatatgaaaa tcacctcgga gctggtaaaa 240
agagg 245

```

```

<210> 525
<211> 459
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 439
<223> n = A,T,C or G

```

```

<400> 525
aaaattatth cttgaatctc tccatacaca ggcaaaaata agtgtgttac ttaacatact 60
ggaaattgcc taacttaatc attgcctaaa gaagagaaaa ttatcccaa aacgcgctta 120
accaggaggc caatgcattt gccgacctcc aagaacatgg agatgaacgt gatagacaga 180
ctgtccacca tctgaacctt cattcaccac cattcgataa cccttattca ggcccagatc 240
agcagcacat ttcttgccaa caatcattaa gtgtccaaga agactttcat catcatcttc 300
taccacagaa atctgggata tatgtttctt gggatatcacc agaaaatgtg ttggtgcttg 360
aggggaaatg tcatggaaag caaggcaccg gtcactctca aaaatgattt tggctggtat 420
ttccttgccg atgatcttnc caaagatcgt gtcgccacc 459

```

```

<210> 526
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 97, 109, 131, 260, 266, 343
<223> n = A,T,C or G

```

```

<400> 526
ccaaggcccc ttttgagccc cagggtatg gtgccttcct gactctcagt atcctcgacc 60
gatactacac accgactatc tcacgtgaga gggcagngga actccttang aaatgtctgg 120
aggagctcca naaacgcttc atcctgaatc tgccaacctt cagtgttcga atcattgaca 180

```

```

aaaatggcat ccatgacctg gataacatTT ccttcccca acagggtcc taacatcatg 240
tcctccctcc cacttgccan ggaacntttt ttgatgggt cctttatTTT tttctactct 300
tttcaggcgc actcttgata aatggTTaat tcagaataaa ggngactatg gatataattg 360
agccctct 368

```

```

<210> 527
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 45, 68, 76, 88, 95, 187, 235, 240, 242, 246, 269, 274, 340,
363, 377, 379, 382, 394, 405, 409
<223> n = A,T,C or G

```

```

<400> 527
gtacaagctt tttttttttt tttttttttt ttttttttca ggctngtttt attttaatgg 60
ctgatctntg taatncaga ggccagtntg tacanacaaa gtgggagggt ttatttcttg 120
gtctcttctt ccttggataa agtcttgatg atctcctctt tcttggcctg gaggcgctct 180
tcacggngct tgcgtgcttc cttgggtctta aacctgcggg cctcaacctg gtcanccagn 240
ancttnttgc gggccttgct tgccttcanc ttgnggatgt gttccatgaa aatccgcttg 300
tttttgaaca cattccctt cacccttcagg tacaggctgn gatacatgtg gcgatcgatc 360
ttnttaaatt cacggtntnt tntgagcagc cggngcaaaa tcctnattnt cctcatcc 418

```

```

<210> 528
<211> 477
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 385
<223> n = A,T,C or G

```

```

<400> 528
ccatttttcc tgaatgacat caattatgtc atctgtaaaa tctccctgaa tgataatttc 60
atcctccctt gttactgagg caccacagga gaatttttga gcaaaaaatc tttgtgcttc 120
tttaagatca atttcaaaag ttgcaaggcc acatactctt gtcacatatt tcttctttgc 180
tctgggaatt ttggctatag taaccttttg tggtaacggc tctttttttt gttttatttg 240
acctcttcca cctctcttct gttttttctt ctctcttctt tccctgctg ttccttgacc 300
ctcactaatt ccagcttctt gtttgggtga attttctaca gtaagttttg caaattcatt 360
tggaatttc ttctctaacc attgnctaca tttagcaaca tcaggcatat attcacagta 420
ctctgttggg aatgaacaga ctccacaata aaggactcga agtgggtaat cggcatc 477

```

```

<210> 529
<211> 217
<212> DNA
<213> Homo sapiens

```

```

<400> 529
agaaattgag atgcccccca ggccagcaaa tgttcotTTT tgttcaaagt ctattttttat 60
tccttgatat ttttctttct tttttttttt ttttttggat ggggacttgt gaatttttct 120
aaaggtgcta ttttaacatgg gaggagagcg tgtgcggtc cagcccagcc cgctgctcac 180

```

T.C.F. 0.3.10.1

tttccaccct ctctccacct gcctctggct tctcagg

217

<210> 530

<211> 479

<212> DNA

<213> Homo sapiens

<400> 530

aaaactgata ataatgctga attatcttaa gtgagatggt aagcccactt tggtctttta 60
atgtaatgga gcttatgggt agaagaccat gtctactaat tacaaaaaaaa aaaaaaaaaac 120
catgcattac tgcttttctt accacttcca gtaagaaaat ggggtgtttg aagaaatcat 180
ttgccttgtc ctacacgaat ctgattaagc cctggcctct tgattgtata gagtcatgtt 240
gtatattcca gttacctaga tattcccttg agattttgat acaatttgag ggaggcagaa 300
gtctgcagtt gaagaaaaaa aataagtcgt tttgtcatat ttaagtagcc tgtggctatt 360
tttatactga ttttgatatc atgttctttt catagtcgta ttttgccacc gtaaacataa 420
aaaaaaaaaa aagatttcca aaatgccgtt ttcagaacct gggttttaat agcagtatt 479

<210> 531

<211> 344

<212> DNA

<213> Homo sapiens

<400> 531

ctgtccaatg acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc 60
tatgagtgtg gaatccagaa cgaattaagt gttgaccaca gcgaccacgt catcctgaat 120
gtcctctatg gccacagcga cccacaccatt tccccctcat acacctatta ccgtccaggg 180
gtgaacctca gcctctcctg ccatgcagcc tctaaccacac ctgcacagta ttcttggctg 240
attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag 300
aacagcggac tctatacctg ccaggccaat aactcagcca gtgg 344

<210> 532

<211> 229

<212> DNA

<213> Homo sapiens

<400> 532

ctgatattag tagctttgca accctgatag agtaaataaa ttttatgggt gggtgccaaa 60
tactgtgtg aatctatttg tatagtatcc atgaatgaat ttatggaaat agatatttgt 120
gcagctcaat ttatgcagag attaaatgac atcataatac tggatgaaaa cttgcataga 180
attctgatta aatagtgggt ctgtttcaca tgtgcagttt gaagtattt 229

<210> 533

<211> 516

<212> DNA

<213> Homo sapiens

<400> 533

ctaccctgcc actggccctt atggcgcccc tgctgggcca ctgattgtgc cttataacct 60
gcctttgcct gggggagtgg tgccctcgcat gctgataaca attctgggca cggatgaagcc 120
caatgcaaac agaattgctt tagatttcca aagagggaat gatgttgcc tccactttta 180
cccacgcttc aatgagaaca acaggagagt cattgtttgc aatacaaaagc tggataataa 240
ctggggaagg gaagaaagac agtcggtttt ccattttgaa agtgggaaac cattcaaaat 300
acatgtactg gttgaacctg accacttcaa gggtgcagtg aatgatgctc acttgttgca 360
gtacaatcat cgggttaaaa aactcaatga aatcagcaaa ctgggaattt ctgggtgacat 420

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```

agacctcacc agtgcttcat ataccatgat ataactctgaa aggggcagat taaaaaaaaa 480
aaagaatcta aaccttacat gtgtaaaggt ttcatg                               516

```

```

<210> 534
<211> 123
<212> DNA
<213> Homo sapiens

```

```

<400> 534
ctggtggctt ccctgcatgt cagggtcttt cgacagatca tgggccactt cgaggggctc 60
gggaaggggt acgctgtgtc cgtcgagcac cgggatgccc accaccggcg cccggtgcat 120
cag                                                                123

```

```

<210> 535
<211> 503
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 390
<223> n = A,T,C or G

```

```

<400> 535
ccagttttat ccgagactct aaataagcac cgagctgata atcggattgt agagcgttgt 60
tgcaggtgcc tgcgctttgc tgttcgctgt gtaggcaaag gatctgcagc actgctgcag 120
ccactagtca cacagatggg gaatgtgtac cacgtacatc agcattcctg cttcctgtac 180
cttggcagta tccttgtgga tgaatatggc atggaagaag gctgtcggca gggactgcta 240
gacatgtctc aggcaactgt catccccacc ttccagctcc tagaacagca gaatggctct 300
cagaatcacc ctgacactgt agatgacctg ttccggctag ccaccagggt tatttcagcgt 360
agccctgtca ccttgctgcg gagccaagtn gtcaccccta tcttacagtg ggccattgcc 420
tctactacc tggaccaccg ggatgccaat tgtagtgtca tgaggtttct acgagacctc 480
attcatacag gggtagccaa tga                                                                503

```

```

<210> 536
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 337
<223> n = A,T,C or G

```

```

<400> 536
ggctactggg ggaacaagat cggcaagccc cacactgtcc cttgcaaggt gacaggccgc 60
tgcgggtctg tgctggtagc cctcatccct gcaccagggt gcactggcat cgtctccgca 120
cctgtgccta agaagctgct catgatggct ggtatcgatg actgctacac ctgagcccgg 180
ggctgcactg ccacctggg caacttcgcc aaggccacct ttgatgccat ttctaagacc 240
tacagctacc tgacccccga cctctggaag gagactgtat tcaccaagtc tccctatcag 300
gagttcactg accacctcgt caagaccac accagantct ccgtgcagcg gactcagggt 360
ccag                                                                364

```

```

<210> 537

```


<211> 273
 <212> DNA
 <213> Homo sapiens

<400> 537
 ctgggcctga agctgtaggg taaatcagag gcaggcttct gagtgatgag agtcctgaga 60
 caataggcca cataaacttg gctggatgga acctcacaat aagggtggtca cctcttggtt 120
 gtttaggggg atgccaagga taaggccagc tcagttatat gaagagaagc agaacaaaca 180
 agtctttcag agaaatggat gcaatcagag tgggatcccg gtcacatcaa ggtcacactc 240
 caccttcatg tgcctgaatg gttgccaggt cag 273

<210> 538
 <211> 339
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 266
 <223> n = A,T,C or G

<400> 538
 cctcctgcac tccgcccgga cccccggccc cgccgtggct atccagtcag ttcgctgcta 60
 ttcccatggg tcacaggaga cagatgagga gtttgatgct cgctgggtaa catacttcaa 120
 caagccagat atagatgcct ggggaattgcg taaagggata aacacacttg ttacctatga 180
 tatggttcca gagcccaaaa tcattgatgc tgctttgcgg gcatgcagac gggttaaata 240
 ttttgctagt acagttcgta tcctanaggt tgtaaggac aaagcaggac ctcataagga 300
 aatctacccc tatgtcatcc aggaacttag accaacttt 339

<210> 539
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 539
 caaagtggta cagaccaagt atgtggaagc caaggactgt ctgaacgtgc tgaacaagag 60
 caacgagggg aaagaattac tcgtccact gacgagttct atgtatgtcc ctgggaagct 120
 gcatgatgtg gaacacgtgc tcatcgatgt gggaactggg tactatgtag agaagacag 179

<210> 540
 <211> 342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 229, 284
 <223> n = A,T,C or G

<400> 540
 ccacttggcc caggtagaag tagatgaagt gtttggtttc atgtgtcaca taactaccga 60
 agttcctccc cagcatgcaa tgccaggtgg gattgtactt cttgtcaaata tccttcttga 120
 tatgagccgc aatgtccttc tctatgttgt atttctccag cgctgagta gcgcactcca 180
 ccgagtcctg ttgcatctct tccgacatgt ccgcattttt gatcacggnc tttcgggtcg 240

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acttggttac cgtggagaag gggctggccg actgcaacgg tctnctgggg gaggtgctag 300
cacagctcaa gcccggttag agctaccgtc gctaccgaaa ca 342

<210> 541
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 332, 334
<223> n = A,T,C or G

<400> 541
caacagaata aatactttta tagtagtttt ataatcctga aattcgaaag ctttcccaat 60
tgcacttgca tctaaacaaa actgttgacg tttttactct atttattttg ttcccatgt 120
ttatgaaagt cctgcacagt ttcaaaggca tggtaaataa tataatcaatg tttatgtagt 180
ctgttacaga aacagctata gataacatta tccagtgaag agcaaaattc aagctttaga 240
aaatattcat gcatgcaatt ttgacatata taaaaatagg tttttgtata tttatggtgg 300
gaggtggttg ggaactttta acaaaatggg gngntaattt ttgtacagtc tgtgggcatt 360
tacacatttt taatgtatta aaatttggtg attatgtgta cattaaatta ataaaagtta 420
ct 422

<210> 542
<211> 262
<212> DNA
<213> Homo sapiens

<400> 542
ctgacaacga aggccgcgcc tgcctttccc atctgtctat ctatctggct ggcaggggaag 60
gaaagaactt gcatgttggg gaaggaagaa gtgggggtgga agaagtgggg tgggacgaca 120
gtgaaatcta gagtaaaacc aagctggccc aaggtgtcct gcaggctgta atgcagttta 180
atcagagtgc catttttttt ttgtttcaaa tgattttaat tattggaatg cacaattttt 240
ttaatatgca aataaaaaagt tt 262

<210> 543
<211> 238
<212> DNA
<213> Homo sapiens

<400> 543
ctggagacac tttagaactc tttccccatc ctccaccata gtgcaaactt cacgcttctc 60
tgagcacctc caaggtatgc cttgaagtg aaacagaaaa gggaagaaag ggggcttttt 120
cttttccatt tctgacaaa cagaggtctg aaatagcagt gtattatgaa attctcattc 180
cctgcaacag tcagccacca cttggaaaat ggctattttt gccataaact agattttt 238

<210> 544
<211> 346
<212> DNA
<213> Homo sapiens

<400> 544
ccaccctgaa aatcaggaac tccaacttct acacgggtggc agtgaccagc ctgtccagcc 60
agattcagta catgaacaca gtggtgaatt ttaccgggaa ggccgagatg ggaggaccgt 120

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tttcctatgt gtactttcttc tgcacggtac ctgagatcct ggtgcacaac atagtgatct 180
tcatgcgaac ttcagtgaag atttcataca ttggcctcat gacccagagc tccttggaga 240
cacatcacta tgtggattgt ggaggaaatt ccacagctat ttaacaactg ctattgggtc 300
ttccacacag cgctgtaga agagagcaca gcatatgttc ccaagg 346

```

```

<210> 545
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 545
ctgctactga gtaaggggca ttcctgttac agaccaagga gaactggaga aagaaagaga 60
aaatcagttc gtggttgcat tgtggatgca aatctgagcg ttctcaactt ggttattgta 120
aaaaaaggag agaaggatat tcctggactg actgatacta cagtgcctcg ccgcctgggc 180
cccaaagag ctagcagaat ccgcaaactt ttcaatctct ctaaagaaga tgatgtccgc 240
cagtatgttg taagaaagcc cttaaataaa gaaggtaaga aacctaggac caaagcacc 300
aagattcagc gtcttggtac tccacgtgtc ctgcagcaca aacggcggcg tattgctctg 360
aagaagcagc gtaccaagaa aaataaagaa gaggctgcag aatatgctaa acttttgg 418

```

```

<210> 546
<211> 492
<212> DNA
<213> Homo sapiens

```

```

<400> 546
cgaattcttc aggatgatgt tgcattgtgac atcattaaaa taggttcttt agtaaggaat 60
aaagagagat ttgtaaaacg aagacaacgg cttattggtc ccaaaggatc tacattgaag 120
gcattggaac tcttaactaa ttgttacatt atggttcagg gaaacacagt ttcagccatt 180
ggacctttta gtggcttaaa agaggttaga aaagtagtcc ttgatactat gaagaatatt 240
catccaattt ataacattaa aagcttaatg attaagagag agttggcaaa agattctgaa 300
ttacgatcac aaagttggga gagatttttg ccacagttca aacacaaaaa tgtgaataaa 360
cgcaaggaac caaagaaaaa aactgttaag aaagaatata cgccattccc accaccacaa 420
ccagaaagtc agatcgataa agaattggct agtgggtgaat actttttgaa ggcaaatcag 480
aagaagcggc ag 492

```

```

<210> 547
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 515
<223> n = A,T,C or G

```

```

<400> 547
aaaagaaaaa gatatacttg ttttgcccct tgacctgacc gacactgggt cccatgaagc 60
ggctacaaaa gctgttctcc aggagtttgg tagaatcgac attctgggtc acaatggtgg 120
aatgtcccag cgttctctgt gcatggatgac cagcttggat gtctacagaa agctaataga 180
gcttaactac ttagggacgg tgccttgac aaaatgtgtt ctgcctcaca tgatcgagag 240
gaagcaagga aagattgtta ctgtgaatag catcctgggt atcatatctg tacctctttc 300
cattggatac tgtgctagca agcatgctct ccgggggttt tttaatggcc ttcgaacaga 360
acttgccaca taccagggt taatagtttc taacatttgc ccaggacctg tgcaatcaaa 420
tattgtggag aattccctag ctggagaagt cacaaagact ataggcaata atggagacca 480

```

gtcccacaag atgacaacca gtcgttgtgt gcgngtgatg ttaatcagca tgg 533

<210> 548
<211> 295
<212> DNA
<213> Homo sapiens

<400> 548
ccatgtatgt gcatgcatat acactctaca gtgctgttag accttttggc tgcagtttca 60
tgtaggggtc ttacagtgtg aatgacggtg cgcaactcta catgattgac ccatcaggtg 120
tttcatacgg ttattggggc tgtgccatcg gcaaagccag gcaagctgca aagacggaaa 180
tagagaagct tcagatgaaa gaaatgacct gccgtgatat cgttaaagaa gttgcaaaaa 240
taatttacat agtacatgac gaagttaaagg ataaagcttt tgaactagaa ctacg 295

<210> 549
<211> 195
<212> DNA
<213> Homo sapiens

<400> 549
tgctgttcgt gatatgagac agacagttgc ggcgggtgtc atcaaagcag tggacaagaa 60
ggctgctgga gctggcaagg tcaccaagtc tgcccagaaa gctcagaagg ctaaataaat 120
attatcccta atacctgccca cccactctt aatcagtggt ggaagaacgg tctcagaact 180
gtttgtttca attgg 195

<210> 550
<211> 497
<212> DNA
<213> Homo sapiens

<400> 550
ccacggggac tggtatttcgc aagctgggtt tctagacctg ttagctggaa gcatgggtgag 60
caccatttct ggacgctcag gccgtgtcgg gcttcagtca tctccaccac acaggtacag 120
cagcgcttct tggtagtcgc ccttagtggtc ttgctggata taatagtaca gggacttgcc 180
gtactttctc ttgaattcag acctaatctt caacatgtcc acttactgac gggagaccat 240
gattctgac aggcacttat ctgcgctccc ctggcccttc atggagtcac acagccgac 300
agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaaag cattttccag 360
gtctccttta acctctttcc tgatgctttc caacatgtca taagggtgt aactcttgta 420
cctatcaaata actttctgga ggtggggcac gctccgctcg gtcacatgac tgatccactt 480
gggaacatca gttcctt 497

<210> 551
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 223, 414
<223> n = A,T,C or G

<400> 551
aaatgtttta ggcaacctaa ggacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttggtattca ttacttcacg tatatcaagc acagcagtaa aacaaaaacc catgtattta 120

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```

actttttttt aggatttttg cttttgtgat tttttttttt tttttttgat acttgcctaa 180
catgcatgtg ctgtaaaaat agttaacagg gaaataactt ganatgatgg ctagctttgt 240
ttaatgtctt atgaaatttt catgaacaat ccaagcataa ttgttaagaa cacgtgtatt 300
aaattcatgt aagtggaata aaagttttat gaatggactt ttcaactact ttctctacag 360
cttttcatgt aaattagtag acgtgttctt aacaattatg cttggattgt tcanaacacg 420
tgtattaaat tcatgtaagt ggaataaaaag ttttatgaat ggacttttca actactttct 480
ctacagcttt tcatgt 496

```

```

<210> 552
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 247, 288, 355, 377, 410, 414, 420
<223> n = A,T,C or G

```

```

<400> 552
aaatgtttta ggcaacctaa ggacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttgttattca ttacttcatg tatatcaagc acagcagtaa aacaaaaacc catgtattta 120
actttttttt aggatttttg cttttgtgat tttttttttt tttttttgat acttgcctaa 180
catgcatgtg ctgtaaaaat agttaacagg gaaataactt gagatgatgg ctagctttgt 240
ttaatgnctt atgaaatttt catgaacaat ccaagcataa ttgttaanaa cacgtgtatt 300
aaattcatgt aagtggaata aaagttttat gaatggactt ttcaactact ttctntacag 360
cttttcatgt aaattantac acgtgttctt aacaattatg cttggattgn tcanaacacn 420
tg 422

```

```

<210> 553
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 422, 436
<223> n = A,T,C or G

```

```

<400> 553
cctaagaact cactggcatt tgtttcaagg taactgaaca agaagctggt tggaattggc 60
agaagtcaga taaaaaacca atcttacatg ccccttcttc ctctcttgag ctgttggtta 120
tattcaaatt aaatacacat tgtttctctc tgtagatacc tatgtactta atagattcta 180
gttagtaaac tgcacatgcc caataacttt gaggaaattt agtgaaaatg aagaaaaaga 240
gaaaatattt ctcttttagac ctgagggttat gtttaggctg gcccatagaa acagggtccag 300
ataaatttct aaaaaagcaa agtagatatt tatgaatagt attcaatgcc taggattaac 360
atctaaaatg actcagtagt actgctagcc agccaataaa atataaactc catttgtctt 420
anttatatag aactgngttt ccagcttaga aaaagtcaaa ccaatgactt ttagaacaat 480
ctactctcat tttttattca gcctcta 507

```

```

<210> 554
<211> 339
<212> DNA
<213> Homo sapiens

```

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<400> 554

```

cgccaggggct tctgctgagg gggcaggcgg agcttgagga aaccgcagat aagttttttt 60
ctctttgaaa gatagagatt aatacaacta cttaaaaaat atagtcaata ggttactaag 120
atattgctta gcgttaagtt tttaacgtaa ttttaatagc ttaagatttt aagagaaaat 180
atgaagactt agaagagtag catgagggaag gaaaagataa aaggtttcta aaacatgacg 240
gaggttgaga tgaagcttct tcatggagta aaaaatgtat ttaaaagaaa attgagagaa 300
aggactacag agccccgaat taataccaat agaagggca 339

```

<210> 555

<211> 515

<212> DNA

<213> Homo sapiens

<400> 555

```

aaaaccaaca atgatgccta gtgagtatgt gtccacaggc cataacaggg tagaagagag 60
acatcgtagc acccaatgag tagtgaaggg actgtgttgc ttgtgaagcg gtgtagtagc 120
atttttgtag attcttggct ggggttagtg tactgatcta gaaaagctgt ttttctgctc 180
ctttgtggaa ggcagttatg atcaggctgc atggacaaag caggtagagg ggcacatca 240
ggggctcttg cactattttc acctctaaat attacgtact cagtagtgcc ctgcttctag 300
ggctctgaat acgggcttaa agtcatcttg tctgtctgga atttgctgtg cagagccata 360
agcctcccat tttgttagcg tcagctaggc caataggaac agaccgggac cttgtctcac 420
actgatgata cctcacatgt tgaccggcta tgtgaactgc ctatttccta tgctggagtt 480
ttgattttta actaaacgca aatctgtaga ttctc 515

```

<210> 556

<211> 207

<212> DNA

<213> Homo sapiens

<400> 556

```

ctgtgccact cggccatctc tgtatgtgac tgtgatgttg gacatctggc agttcatgtt 60
gtcctctgct tcaatgagct tccccgata tacctcaccg gtgttcgtct cacatgtcac 120
aatgtggccc tcggcctcat gcagtacttt aatcggcaca ccaatagaca tcttggcagg 180
aagagagttc ggctctggcc tactttt 207

```

<210> 557

<211> 491

<212> DNA

<213> Homo sapiens

<400> 557

```

ggccgccccg gcaggtctgg cagcgtctga tgtcggggcac agaggtgaca ccgcagcgct 60
tgtactgccc gtccccaatg gagcgtgaca cctctagcac gcccaaaaca cgcccatccc 120
tgacgtttcc tccagccttc tgtatcctca tccgctcttc atactgagtt ggattatgct 180
ctttgctgag gcttaaggct gcatgttttt gactctcctc attataacga cacaagattg 240
cccgactatc tccgaggttg gcaatataaa gaatgttgtc tacagccaga acacacgtgg 300
cagtggaccc atctttccag gcaggcttct ggctggaagc ttgtttaagg aactcttcat 360
cagtagtctt gaaagtgtcc aaaaggcatc tcttcacggt tttctctaca ctgattacat 420
ctcctttagg aaattttctg attaagtttt gatgcaaatt ctgtgcagca aattttgagg 480
ctcgaattcc t 491

```

<210> 558

<211> 511

<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<222> 408, 499

<223> n = A,T,C or G

<400> 558

```
ctgcctataa aactagactt ctgacgctgg gctccagctt cattctcaca ggatcatcatc 60
ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcatact gtgctgccaa 120
agctgggtcc atgacaactt ctggtggggc gagagcaggc atggcaacaa attccaagtt 180
agggtctcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt tgtagttact 240
tttggcagaa atgtcgtagt actgaagatt ctcttttcgg tggaagacaa tggattttcg 300
cttcactttc ctgtccttaa tatccacttt gttgccacac aacacaatgg ggatgttttc 360
acacactcgt accagatctc tatgccagtt aggcacattc ttgtaagnaa ctctcgatgt 420
tacatcaaac attatgatgg cacactgggc ttggatataa tagccatctc tcagtccacc 480
gaattttctc tggccggcng tgtcccatac a 511
```

<210> 559

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 198, 253, 263, 279

<223> n = A,T,C or G

<400> 559

```
ccatgttctt cagaaagaac atgcctggct ttttcacgat ttgatcagtc ttcttagacc 60
ctgaacccca ccatgaaatg gcttccccag acacaaccog agagagttat gctttgtttc 120
tcagctaaaa tattttgcag atcttaattt cctgggtcat tgcattttt tttttttttt 180
ttaaagactg agtttaanaa ataaattatc ggccgggcga ggtgggtcat gcctataatc 240
caagcacttt ganaggccaa gnggggtggg tcacaaggnc aggagtttga gaccagcctg 300
g 301
```

<210> 560

<211> 218

<212> DNA

<213> Homo sapiens

<400> 560

```
ctgctgcagt tcaactggaca aggattcgcc atcgacactg tgcttggccg cactggagag 60
gatgaaactc agcactgccca ctgtggcctt cacatcgctt gactcaaaact tggcgtcagc 120
cgtgagcttc aggatcttct cataatcaat cccctgtccc agcagctcct ttagtacctg 180
gctgcagagc agccgcaact tcacagagga catcttgg 218
```

<210> 561

<211> 436

<212> DNA

<213> Homo sapiens

<400> 561

```
aaaggcttaa tggcaataat caggggagga agaagagtat gtttatttta cataactgac 60
```

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```

ggaaaaataa attcaacaaa tagtaaataa aatttaatat ggtctcatgc gccctgaagg 120
aggtggtgcc cgatttggag gggtaattgc tatgtccaag taatctccta tctggaactt 180
ctgcgactgc agggatcatg aatcatcagt cccctttctg ccagacatgg tgctgccaat 240
ctccttaact cgatagccag gtcttttaac atctgtaaaa acgattgcaa aattgaagtg 300
agtgcccttc tttctagctt ctgggtagac ttcttttact aagcttgtca gttctttcaa 360
ggttgcaccc atccaagtgt agatctgcaa ctgctgggac ggtacatttc cccgggagaa 420
ctcgtccatt cggtgg                                     436

```

```

<210> 562
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 104, 254, 255, 317
<223> n = A,T,C or G

```

```

<400> 562
ttggtcttga actcctgacc tcgtgatcca tccaccttgg cctcccaaag tgctgggatt 60
acaggatatga gccaccgcgc ctggcctttt tttttttttt ttanacaggt tttggctctg 120
tcacccaggc tggagtgcag tggttcttaa acgggggtaa ttatgtcttc cattcccgcc 180
aggagacacc tggcaatgtc tgggagacat ttttggttat taccctgaga gaggagagct 240
ccatgggcac tgannnggta gaggccgggg tgctactaaa catcctacaa tgaccaggac 300
agcctcccac gacaaanaat catccagccc caaatgtcag tagagccagg attccaaaac 360
cctgggtgtta ggtataagaa ttgac                                     385

```

```

<210> 563
<211> 409
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 260, 355
<223> n = A,T,C or G

```

```

<400> 563
gcacctttcc ccaacaggaa cagagtcac cagccaatgg ggatgagtcc ccgggggtcat 60
cttacgtccc tgcaggatgc catgtgcgag actatggagc agcagctctc ctcggaacct 120
gactcggacc ctgactgagg atggcagctc ttctgctccc ccatcaggac tggtgctgct 180
tccagagact tccttggggg tgcaacctgg ggaagccaca tcccactgga tccacacccg 240
cccccacttc tccatcttan aaaccccttc tcttgactcc cgttctgttc atgatttgcc 300
tctgggtccag tttctcatct ctggactgca acgggtcttct tgtgctagaa ctcangetca 360
gcctcgaatt ccacagacga agtactttct tttgtctgcg ccaagaaga                                     409

```

```

<210> 564
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 245, 318, 334, 390

```

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<223> n = A,T,C or G

<400> 564

```
cctgggtgat tgaggatgca atgagctgtg attgtgccac cacactccag cctgggcaat 60
acagcaagac tgtctcaaaa aaaaaaaaaa aaacccaaaa aaactcaaga atgtaatgaa 120
tgatacccaa tgtgcctttt ctagaaaaag ttgccaaata tatctcttgg atctgctgag 180
catgtcctct gatacataag gcaagcatgt ttctacaccc agtggtgatg ccagttagtt 240
ttcanaatcc aaactgatgg cagctactgg tccttggggac tgacatcctc tgggaatata 300
accttctctt ggactganat gctgctgcca gctntaaaac agcactctgt tctcaaaacc 360
tcatggcagg ctccctggctc caataactcan 390
```

<210> 565

<211> 219

<212> DNA

<213> Homo sapiens

<400> 565

```
ccaagaggaa tcagaaacct gaagttagaa aggctcaacg agaacaagct atcagggctg 60
ctaaggaagc aaaaaaggct aagcaagcat ctaaaaagac tgcaatggct gctgctaagg 120
cacctacaaa ggcagcacct aagcaaaaaga ttgtgaagcc tgtgaaagtt tcagctcccc 180
gagttgggtgg aaaacgctaa actggcagat tagattttt 219
```

<210> 566

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 249, 307

<223> n = A,T,C or G

<400> 566

```
ctgcctgcct gccagaggcc aagcattcct aagcgtgggc tgggggaggc cctgcccctc 60
tgtagcagca gagcagacag ggcagtggga gaaccatgtg ggtaggaggg catcaggtct 120
caagagcctc tcccctgctc aggactgggt ctagacaagg ccacgtgtga taggggtggta 180
agccctgggc catatggagg agcctggggc ccatcttggg tctgctgctg agttgctggg 240
tggttttang caagtccctt cttgtccctt ggtcactctg tttcctggct agcactggca 300
gcaaggnctc ca 312
```

<210> 567

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 457, 560

<223> n = A,T,C or G

<400> 567

```
ctgcatttgg gggagagggg tagggattat cttcaaagca ccccagctct cttgatgaga 60
aggctcagagg tacactgggt tgtattattg cgacatccat aaggatgatc aggttgcttt 120
tccttcagca agggctttat ttatcagaag gacattacgc ttgacctcca aatttggtct 180
```

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```

acaatttact gatgagattc ataacctttg ggttgctctg gtattttgac atatttgctg 240
ggttctgagc cacatcctgg aaagccacca taacttctgg atcctgcatg gctgcaagaa 300
cctctggatc actaagaatt tcattgagtc caggcattcc agccattcca ggcatgcccc 360
ctcccatgcc aggtattcct cgggaaaaat taccaggcat tccccagga aagccacctg 420
gaaaagagcc atactgagct cctgactgtc gtctggnctt cttcctccct ctgggctctc 480
tcattgctctt ctcgagcctt cttaactcgt tctattcttt ctttgatctc tcgctcttca 540
cgtttttcgc tcatactttt ttccgatgtt ctgcaatttt ctg 583

```

```

<210> 568
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 568
cctaagaatg cagacgggga gaaaaaaaac caaaaccaa aaaaaagaca cctctccaat 60
tgctgggagg gcctgggaat aggtgaagat caaaccacag tgggagaaga gggtaaagat 120
gtgagcttca agcgggtaat gggcaagcca cacctcccag ttcctaggag ggaatcgcca 180
cggccgactt cagcattctc gtctttacta agacttacct atagagaact acagcaggaa 240
accgatttct tcattcattc tcttt 265

```

```

<210> 569
<211> 251
<212> DNA
<213> Homo sapiens

```

```

<400> 569
cgcgggacac cgggtgtaga gggcggtcgc ggcgggcagt ggcggcagaa tggtggctac 60
cagggtatct agcctagttg gcaagcgagc aatttccacc tctgtgtgtg tacgagctca 120
tgaaagtgtt gtgaagagcg aagacttttc gccccagct tataatggatc ggcgtgacca 180
ccccttgccg gaggtggccc atgtcaagca cctgtctgcc agccagaagg cactgaagga 240
gaaggagaag g 251

```

```

<210> 570
<211> 305
<212> DNA
<213> Homo sapiens

```

```

<400> 570
ctggagaagg acttcagcag cgtgaagaag tactgccaag tcatccgtgt cattgcccac 60
acccagatgc gcctgcttcc tctgcgccag aagaaggccc acctgatgga gatccagggtg 120
aacggaagca ctgtggccga gaagctggac tgggcccgcg agaggcttga gcagcaggta 180
cctgtgaacc aagtgtttgg gcaggatgag atgatcgacg tcatcggggg gaccaagggc 240
aaaggctaca aaggggtcac cagtcggttg cacaccaaga agctgccccg caagaccac 300
cgagg 305

```

```

<210> 571
<211> 367
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 216, 219, 240, 273, 326, 347, 351
<223> n = A,T,C or G

```

<400> 571
 ctgaagatcc gtaagagcaa tcagatacct actgaggtca ggagcaaagc tgaggaggtg 60
 gtgtcatttg tgaagaagaa tgttctagta actgggggat ttttcggagg ctttctgctt 120
 ggcatggcat cctaaggaag atgacctcat gttcattgtt cctgggtttt tccagccagc 180
 agcctctaca ctccatcata ggacatcgag tccctnctnc tcttctccca tgccttcttn 240
 cctgccatgg caaatctgag tggcttctct aancatctgc tgggtacaagt caatgtggca 300
 ccatgagctt catggtggca gaaganacaa tagtccttac tcttctncca ntacaccccc 360
 tacttgg 367

<210> 572
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 572
 atcaagggaa gaaggaggaa tgctggactg gagggccctg gagccagatg gcaagagggg 60
 gacagcttcc tttcctgtgt gtactctgtc cagttccttt agaaaaaatg gatgcccaga 120
 ggactcccaa ccctggcttg ggggtcaagaa acagccagca agagttaggg gccttagggc 180
 actgggctgt tgttccattg aagccgactc tggccctggc ccttacttgc ttctctagct 240
 ctctagg 247

<210> 573
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 573
 ctggaagcct tgttggcccc taagcctttg tttcatgcta cagtactgag gggatatgtg 60
 ccccaatgca cagccaccgc cacacaactc aatgagcttc ctgggaaaca ctattccccc 120
 acctccacct taggtggctg cctcagtttt ccaaccacag gaatcagtc ctcagctcct 180
 gcctctagtc tccaccccaa aagttcagtc gtctctgtct tggagggcac tgtcggcccc 240
 ctcaggttga agttcaacac tccatcaatga gcag 274

<210> 574
 <211> 497
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 418, 428, 430, 434, 484
 <223> n = A,T,C or G

<400> 574
 aaagcaaaag aggatgtatg agcagcagcg ggacaatctt gcccaacagt cattcaacat 60
 ggaacaagcc aattatacca tccagtcttt gaaggacacc aagaccacgg ttgatgctat 120
 gaaactggga gtaaaggaaa tgaagaaggt atacaagcaa gtgaagatcg accagattga 180
 ggatttacia gaccagctag aggatatgat ggaagatgca aatgaaatcc aagaagcact 240
 gagtgcagct tatggcacc cagaactgga tgaagatgat ttagaagcag agttggatgc 300
 actaggtgat gagcttctgg ctgatgaaga cagttcttat ttggatgagg cagcatctgc 360
 acctgcaatt ccagaaggtg ttccactga taaaaaaac aaggatggag ttctggtna 420
 tgaatttngn ttgncacaga tccctgcttc atagatttgc atcattcaag catatcttgt 480
 aaanaaacac atattat 497

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<210> 575
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 575
 aaatgagcgt aaaaggccct ctaacctatg caggtttccc cattatgcat atagaaaatg 60
 ctagtatgtt ttgctcactt catatgtaac aggtgccctt atgttgtgct gtatcctgtg 120
 ctttttctgt gggaccattc cattcaggag caaagagcac catgattcca atcttgtgtg 180
 tgtttactaa cccttccctg aggtttgtgt atgttggata ttgtggtgtt tt 232

<210> 576
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 576
 ctggcaattg gtttctgtga tgagtcgggc atcatggctg acaacgatca cagcaccctt 60
 gtattcattg atggcctccc ctagagcatc aatagactct atgtccagggt tattgggttg 120
 ctcgtccaag atgaggacat caggttcccg acaggccagc tcagcaaaca caactcgcgc 180
 cttctgacca ccagagagtt tgcagatctg gatggtgtgg gcgtgactct ccaggccgaa 240
 gcggcccgagg cacttgcggg catcctggta gggcagggtt aagccccgct gcagggtactc 300
 agtgggcgtc tcttccatgc gcag 324

<210> 577
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 577
 ctgaccagca ccatggcgggt tggcaagaac aagcgcctta cgaaaggcgg caaaaaggga 60
 gccaagaaga aagtgggtga tccattttct aagaaagatt ggtatgatgt gaaagcacct 120
 gctatgttca atataagaaa tattggaaaag acgctcgtca ccaggaccca aggaacccaaa 180
 attgcatctg atgggtctcaa gggctcgtgtg tttgaagtga gtcttgctga tttgcagaat 240
 gatgaagttg catttagaaa attcaagctg attactgaag atgttcagggt taaaaactgc 300
 ctgactaact tccatggcat ggatcttacc cgtgacaaaa tgtgttccat ggtcaaaaaa 360
 tggcagacaa tgattgaagc tcacgttgat gtcaagacta ccgatgggtta cttgcttcgt 420
 ctgttctgtg ttggtttttac taaaaaacgc aacaatcaga tacggaagac ctcttatgct 480
 cagcaccaac aggtccgcca aatccggaag aagatgatgg aaatcatgac ccgagagggtg 540
 cagacaaatg ac 552

<210> 578
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 578
 cctgacagac agaagggcct ggagattttt tttctttaca attcagtctt cagcaacttg 60
 agagctttct tcatgttgtc aagcaacaga gctgtatctg caggttcgtg agcatagaga 120
 cgatttgaat atcttccagt gatatcggct ctaactgtca gagatgggtc aacaaacata 180
 atcctgggga catactgg 198

<210> 579

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<211> 457
 <212> DNA
 <213> Homo sapiens

<400> 579
 ctgccttgga gtcgccctca gcagagatga tggccgcctt ttctgttgct cagccttttc 60
 caccacaaat ctggccctct ctgcttcctg ctgagccacc tgtttggtt ccaccgcttc 120
 tgtgaactcc ttcccgaagg tcagatgtgt caaggacacg tcatccagga tgagcccaaa 180
 ggtggcggct cgctctgtaa ggctcgtcgt cactgcctg gagaccagct ctctctgggt 240
 gattagttct ccagcatcaa agcgagccac cactgacttg aggatctcag ttgtgatgga 300
 cggcagcaca cgctcatcat agtcctctcc gatgctgggt aagatgcgag gaagctggct 360
 ggcgacaggc cggaagagga tgcgcagtgt gatgttgaca ttctgtaa at ctttgctacc 420
 agtgatgact ggcacattac gtggctcgaga acggcag 457

<210> 580
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14, 118, 147, 150, 151, 202, 341
 <223> n = A,T,C or G

<400> 580
 ctgatatctc ctcntgctat cctcaaactg ccactcttaa ctcttgaagt aaataaataa 60
 tctttgctgg caggactatg ctgaacctcc ttaggcactc tctaattaga tgccctangt 120
 cctcccaatt cttagtcctt ttatatntgn ntttctcctt ctcttattcc atttagtttt 180
 tcaattcata caaaaccgta tncaggccat caccaatcat tctatacaac aaatgtttct 240
 tctaacgtcc ccacaatata accccttacc acaagacctc ccttcagctt aatctctccc 300
 actctagggt cccacgcgc cctaataccc gcttgaagca nccctgagaa acatcgccca 360
 ttctctctcc ataccacccc ccaaaaattt tcgctgcccc aacacttcaa cactat 416

<210> 581
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 581
 ccaaagggcc aaaacaatta agaacacagt ttgtgtcaat gtggagttaa ctgcagaaca 60
 gtggaaaaag aagtatgaaa aagaaaaaga aaaaaataag atcctgcgga acactattca 120
 gtggcttgaa aatgagctca acagatggcg taatggggag acggtgccta ttgatgaaca 180
 gtttgacaaa gagaaagcca acttggaagc ttccacagtg gataaagata ttactcttac 240
 caatgataaa ccagcaaccg caattggagt tataggaaat ttactgatg ctgaaagaag 300
 aaagtgtgaa gaagaaattg cttaaattata caaacagctt gatgacaagg atgaagaaat 360
 taaccagcaa agtcaactgg tagagaaact gaagacgcaa atgttggatc aggaggagct 420
 tttggcatct accagaaggg atcaagacaa tatgcaagct gagctgaatc 470

<210> 582
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 582

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cgagatcgtg ccactgcact ccagccttgg cgacagacta agacgctgtc tcaaaaaaaaa 60
 acaaaaaacga caaaaaaaaa caaaacagaa aaaataaact aaggcaatga cagtccctgg 120
 caaatgctgg gagggaggca gcagtgggtca gggaaggtaa ccctgaagca ggacttgtaa 180
 agcaaataag attgggaggc caaggtgggt ggatcacgag gtcaggagtt cgagaccggc 240
 ctgg 244

<210> 583
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 583
 ctgggtttca ccaccaacct cagtgcctac cagagcgtgc aggagacctg gctggccgcc 60
 ctgatcgtgt tggcgggtgt tgaagccatc ctgctgctga tgctcatctt cctgcggcag 120
 cggattcgta ttgccatcgc cctcctgaag gaggccagca aggctgtggg acagatgatg 180
 tctaccatgt tctaccact ggtcaccttt gtccctctcc tcatctgcat tgcctactgg 240
 gccatgactg ctctgtacct ggctacatcg gggcaacccc agtatgtgct ctgggcatcc 300
 aacatcagct cccccggctg tgagaaagtg ccaataaata catcatgcaa cccacggcc 360
 caccttgtga actcctcgtg ccaggggctg atgtgcgtct tccagggcta ctcatccaaa 420
 gg 422

<210> 584
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 584
 ctggaagatg tcaactgagtt tgaaatcaca ccagaaggaa gaaggattac taaattagat 60
 cagattttgc taaatggaaa taatataaca atgctgggtc ctggaggaga aggacctgaa 120
 gtgtgaatga gtttccttga cttacactag attttgtttt ggcttataat gacaagaaaa 180
 tggaaatttt tttccactt tctaatgttt 210

<210> 585
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 585
 aaaaagctag acacagtaaa gacgtggttg ggtttctgaa ggcttataat ggaaatagtc 60
 tctagtctcc agtcaggtaa catgccgcgg tatgacactc ccataagaac cccaccccc 120
 ctgccacca cttagtgttt ttactcataa aaatgagggg aaaacttttc tacatcagac 180
 aaatcacaca gaggaaatat tcacatgcag cttt 214

<210> 586
 <211> 644
 <212> DNA
 <213> Homo sapiens

<400> 586
 aaattatttc catagtctta aaaaatatgt aatgtcagaa tgcatataaa aagaatgtaa 60
 aaggaaacct aaaatacaaa tgggaataatg taacaaataa atatttgatt tcagtaactg 120
 ttaataatca gctcaacacc accattctct ctaaaactcaa ttttaattctt ataggaataa 180
 tgaactgtca aatgccatgg cataattatt tatttccaag ctatcatcaa tgattagaac 240
 taaaaaaatt ttggcataaa aaaatcacaa ttcagcataa ataaagctat ttttagcttc 300

09520300 "073101

aacactagct agcatctcta agaattgttg aaataagtac tataaccttg aaaattttcg 360
 acctggtgtc tagtggttaag tgaaagtaat gcattttttt taagtgaata gcttcttaca 420
 ttatttcaca gacagtatta cccacccccc attatgaata gttagatata ttttatgtac 480
 tttataccca catgtatgac gcatgacatt tggttcctgt agtacagatc acaatgttgt 540
 tttcctgaat gggaaaaact taaaaaaaaa aaaaaaaagg gaagtgtacc tgtgcacatt 600
 tcaagatagc agcactcagt ccatgcccta ttatccatct taaa 644

<210> 587
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 587
 ctggcaagtc cacaagccct gctggggccc tgcttgttgg cctgaccctt ccctcaccag 60
 gcagccagcc aaggtggttc ctgcttcacc cactcagtca tcagcctcag gctgccccaa 120
 atgcctctga caccagattt atatcttctg ggcggcttct tt 162

<210> 588
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 588
 ccagggtgcc acaaacccaa agcaaagttt caaaataata taaaatttaa aaagttttgt 60
 acataagcta ttcaagattt ctccagcact gactgatata aagcacaatt gagatggcac 120
 ttctagagac agcagcttca aaccagaaa aggggtgatga gatgagttt acatggctaa 180
 atcagtggca aaaacacagt cttctttctt tctttctttc aaggaggcag gaaagcaatt 240
 aagtggtcac ctcaacataa gggggacatg atccattctg taagcagttg tgagggggta 300
 gagatgggac aaaatttttg tctcagaggt cttaccatct taatttggtg acttctaattg 360
 aaaaaaataa aaaatagaaa taacattatc caaagatatc ttaaagctga aaacttgaac 420
 agcacatttt ttgttttt 438

<210> 589
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 589
 ctgttgcagc atccagttca tcttaagaat gtcaacgatt agtcatgcaa taaatgttct 60
 ggttttttgcg ctatctcagc agacctcact tgccccatgg ccttcatggc gcgctccagg 120
 cctcagaccc ttctctgtgt tccgtcctgg 150

<210> 590
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 590
 aaagaaatat aacgtagaat accaagaata ttgcaaagc aaaaacaaat ataaagctga 60
 aattctcaaa aaattggagc atcagagatt gatagaggc 99

<210> 591
 <211> 363
 <212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<222> 257, 294, 306, 352, 354, 359

<223> n = A,T,C or G

<400> 591

```
cctggccgcc aggcagaatg acaccccaag ccaggcggtc gaggggctgg ggcagctctc 60
ctaaaatgac cctctgccaa tgacaccaca ccctcagtc cttcacacag aacgcggtaa 120
tttctgtaac ttgtttcctt accccccaga agcagcaatc accccatcag caaagttgcc 180
ggcaggcaga gctcccaatt tgggctttcg gtgtgcagcg ctccgtgtct aaccagcaca 240
gggactgtcg gtacctnctg gggacgggga caggacagcg ccctcatgtc cttnccacaa 300
atcttncaaa ggcccccggg aaaaagccgt caatccggga acagccacct tntngcctnc 360
tgg                                     363
```

<210> 592

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 375

<223> n = A,T,C or G

<400> 592

```
ctgggttcacc acacggcggt ctacctcatg tttgatggag cgggcgccat agtgcacatt 60
gtagccgtcg accagcacat ctgccacctc gcgggtccag agcagcggtga tgttgtgcct 120
ttgcttggt ctcttggtcc agaagtttag ttccttggtg acgagttgga tgagctccga 180
gtggcagaag ggggaggaag tagacgatct cattgatccg tcccagaaac tcatccctcc 240
ggaagtgagc ttccaggata gggcgaatca cattctcctt gaagttcttt gagatggtga 300
tcttgtcact tatctggaca tccccaggt tttcggaat acggttacgg tcatctccaa 360
agcttctctgc ctcan                                     375
```

<210> 593

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 196

<223> n = A,T,C or G

<400> 593

```
cctcgctgtg tgagcgccga gcactccagg tattttacag caccaatctc cttagccatg 60
gctagaccct gcggataggt gatgggagtc agcttcttct ccttcagttt ctcgatcgtg 120
tctttatcat ccctaagatc aagtttagtt ccactagga tgatgggagt gttgggacag 180
tggtgccgca cctcangata ccactttgca cggacatttt caaatgatgc aggactcaca 240
agggaaaagc aaattaagaa cacatctgtt tgcggatagg atagggggcg taatctgtca 300
taatcttctt gtccag                                     316
```

<210> 594

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<211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 345
 <223> n = A,T,C or G

<400> 594
 gccgagccac atcgctgaga caccatgggg aaggtgaagg tcggagtcaa cggatttggg 60
 cgtattgggc gcctgggtcat cagggctgct ttttaactctg gtaaagtgga tattgttgcc 120
 atcaatgacc ccttcattga cctcaactac atggtttaca tgttccaata tgattccacc 180
 catggcaaat tccatggcac cgtcaaggct gagaacggga agcttgatcat caatggaaat 240
 cccatcacca tcttccagga gcgagatccc tccaaaatca agtggggcga tgctggcgct 300
 gagtacgtcg tggagtccac tggcgtcttc accaccatgg agaangctgg ggctcatttg 360
 caggggggag ccaaaaaggg tcatcatctc tgccccctct gctgatgccc ccatgttcgt 420
 catgggtgtg aaccatgaga agtatgacaa cagcctcaag atcatcagca atgcc 475

<210> 595
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 595
 ctgagtctgc ttaaaaaatc atccaaagca gaccgactct cctacagctc ggagctgtgt 60
 atcttattgc cagtaccaca acagtcctgc ccgaatatat catcagcggc ctactttctc 120
 ccttccctcc aagcctgttc ctttcccaac aatacccgctc tttgttcccc ggaatgaaga 180
 ggggcttttc ttctgtcaca tcgtattttg ataacagcga gtgcctcccc atgcactgga 240
 atccactgtg tgtgtgtgtg tgtctcctac tggcctcttc gatctcagca aaaccaaagt 300
 gctgtgtctac ctaattgctt ttttcttttt tcttttccac tttctgtt 348

<210> 596
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 596
 ggcggctggg accctgtaca cgtatcctga aaactggagg gccttcaagg ctctcatcgc 60
 tgctcagtac agcggggctc aggtccgcgt gctctccgca ccacccact tccattttgg 120

<210> 597
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 597
 aaacaaattg cagagaatag agaaaaaat aggttattta cagaaaacaa tatctacata 60
 tgtacttaga ggtacaaatt tggtagacaga aaagacttca gtatatgctg gcatcttaga 120
 agcagttctc aaagagctta gttttatttt cttgaatttt aagaatgcct aagatccttc 180
 ttcatcctcg atcttgggag ccaagtagta ttttaagtgt cccatatccg caattttata 240
 ctctacaaca aggggtacat ctgcagacat actgagtgtc accgttgaag agagtggagt 300
 ggcttttgta aagaagttca ggtacctcag tgcaaaagtt agttgaactg gttcattcat 360

0920300 073104

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ctctatggta acagcttcct cctctttatc gacattactt gtctgtgaca atttaatgtt 420
tccatttcca agttctccac ttgcagaaaa ttctactccg tcttttgac aggaaattac 480
aacagcatct ccaatatggc tgagatctcg gcatatacgt gcaaattcac cagaaggcat 540
ctttactaca cagtgaacca cgatgcagtg catgcaca 578

```

```

<210> 598
<211> 169
<212> DNA
<213> Homo sapiens

```

```

<400> 598
ctgcttgcca gcaaagatca gtctctgctg atcaggagga attccttcct tatcctggat 60
cttgcccttt acattttcta tcgtatccga gggttcaacc tcgagggtga tggctttccc 120
cgtaagggtt ttcacgaaaa tctgcatttt ggtggcggct ccaccgcag 169

```

```

<210> 599
<211> 513
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 444
<223> n = A,T,C or G

```

```

<400> 599
aaatgattta agttcatttg ttctcaacct tggggtaaac tgaggatattt tgcttcctgg 60
gaagatcttc gcaattttga gtgctcctgt ggggagcggg gatgagctaa agatacaatg 120
tttccctgcc ccgcaccgct tccacaaaat agcaatgtgg ttttgacgct ctgacttctg 180
ctcccagtaa cccatcgta gggcactcta gcaactatga ggtacccaag gctcagccag 240
tctctattta agaaaattta acaaatacga gtaaccctgt cccaatcact gaatctctag 300
ttactactct tagaaacacc tgtggcttct tggccctcct gttgcccgt ctgaatctct 360
ctgcagtcta caaaatcgcc ccagtcaact ctccacttgg aggggaattgt ccagtgtggc 420
ccctagaatt gagtcacccc ctanatacca actgtctgac cccgaggagc tctgtaagtc 480
cctgtctctc ctcttccctt tggggctggt gct 513

```

```

<210> 600
<211> 395
<212> DNA
<213> Homo sapiens

```

```

<400> 600
ccaggggtgct tttggaaaca tgtgtcgtgg aggccgaatg tttgcaccaa ccaaaacctg 60
gcgccggttg catcgtagag tgaacacaac caaaaaacga tacgccatct gttctgccct 120
ggctgcctca gccctaccag cactggtcat gtctaaaggc catcgatttg aggaagttcc 180
tgaacttcct ttggtagttg aagataaagt tgaaggctac aagaagacca aggaagctgt 240
tttgctcctt aagaaactta aagcctggaa tgatatcaaa aaggtctatg cctctcagcg 300
aatgagagct ggcaaaggca aatgagaaa tcgtcgccgt atccagcgca ggggcccgtg 360
catcatctat aatgaggata atggtatcat caagg 395

```

```

<210> 601
<211> 309
<212> DNA
<213> Homo sapiens

```

09920300 073104

<400> 601
 tgacagttga attgacactt ttattggggc agaatggaac agtccaagaa tgtagatact 60
 gattctttct ccataaatgt tcttatagtg tgttcatcct agagttatit ttttgtttgt 120
 ttttttcctt tttggatcct gattgataac tgccatgata ttttgctttg atgtgtttct 180
 acatgtagtt gcacacggtt cagtaaaaaat aatgctgcta tcgagtatgc aaatattgaa 240
 gtatgatggt ttgactgtat ggcagtgttg tagcagcctc ttgttttttt ccccatgtgc 300
 tctttttttt 309

<210> 602
 <211> 562
 <212> DNA
 <213> Homo sapiens

<400> 602
 gagaagggca ggatcagaag ggaccttggc acagcgacct catcccccaa gtggacacgg 60
 ttgacctgct aactcgcaaa gcaattgcct gccttgtact ttatgggctt ggggtgtgta 120
 gaatgatitit gcgggggagt ggggagaaaag atgaaagagg tcttatttgt attctgaatc 180
 agcaattata ttccctgtga ttatttggaa gagtgtgtag gaaagacgtt tttccagttc 240
 aaaatgcctt atacaatcaa gaggaaaaaa aaattacaca atttcaggca agctacgttt 300
 tcctttgttt catctgcttc ctctctcacc accccatctc cctctcttcc ccagcaagat 360
 gtcaattaag cagtgtgaat tctgactgca ataggcacca gtgcccaca catacagccc 420
 caccatcatc cccctctcat ttataaaacc tcaaagtggg ttacttttct gatagttaac 480
 ccccataaat gtgcacgtac ctgtgtctta tctatatitit aacctgggag actgttgtcc 540
 tggcatggag atgacatga tg 562

<210> 603
 <211> 436
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 340, 410, 419
 <223> n = A,T,C or G

<400> 603
 atttcctgtg ctagagtcca atatttgagt ctctcgtgca aatgagacta ttctttgtgg 60
 tacaattcca cctatcatat gtgaaaactg cagtaaaaaat aaaccagat gctaaatcat 120
 tcctacaaag gtttgactga aactgtggca gatgtctcat cttctttata tgtaagcag 180
 catactcttc tgatttttat tgcaatcttt taccaagtgg tgcacaaact tggattgat 240
 gtctttattc cattttgagt ttagattgag aatattttta tttctgaag gcagagatat 300
 ctactgtata attgcaccaa agtacatttg aaaggaagggn tttcaatagt gtaatactgc 360
 agcgatgtag ataaaatcac aaatgtataa tgtgttaggt tgaataagggn gtggaaaant 420
 gcttttctgt tagtag 436

<210> 604
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 604
 ccttttttga cagggtggtgt gtgggtggcct tggatatgtgc tttctcgtgt tacatcgcgc 60
 catcattggt atatgggttag tgtgttggtt agtaggaaaa aaaaagtatt cagcaccatt 120

09520300 "073404

tgctcatagg tctttcagag tttgttctta aagtttctgg aactttcctg tctgtaaagt 180
 aacaggaatt actgagctac attggaaagc ctctctggga caggcagtgg ggagttaagc 240
 agtcatcata aaggaatcag tgtacattca gcatgggtgac ttgactacac aacaatccct 300
 tcccctctac tgtagctcaa gagagacatg cttctaacca ctgaggtatg aggagtctca 360
 gactgttatt tgctgttaga attgggtcttc ccagctaata acagtacatc tctggcacag 420
 atgctattgg tccttaaatgt cctgtgattt taggaaatag tttggattta gttcaattta 480
 ttcagaaacc aaacgtgttt aatta 505

<210> 605
 <211> 417
 <212> DNA
 <213> Homo sapiens

<400> 605
 aaaaggtgac tagacatact tggaagttca aagcagtagg atgtagcttg cagggaaaag 60
 aaaacccttt tccatgttgt taggcagaag tatatcaaata atatcccaat tccacttgat 120
 aaagtcagtt ggatgacctc cttgaaccaa tctagggcag aacacttagt aaaagcgggc 180
 cctgggtgggg atgtgaatcc aggagaagag gggcaccaga tcccatgcag cgccaaacac 240
 atccattcca ccctctaaca catacgaggc atgtcacccc atgtccctgg acacaagatc 300
 cacaagaaca gtcagcagat ggtcactgct cccacggcct ggtgctttct aatggtctta 360
 attcaggcca tggagaaaat cctttaccac caaacacaaa ctgtcattga acttcag 417

<210> 606
 <211> 258
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 225, 258
 <223> n = A,T,C or G

<400> 606
 ctgactgttg agagagcagc acatcatttt atcattttat cttcttttga ctacaggtgg 60
 ggtgggaggg atttgggttg gtggattaac agatggaatt gaggagagag taggatgctg 120
 attttcctac ccgtggccca ggtctgtgcc ttcccctatgc caaggactct aggtcaaatg 180
 tcaataaata tgaacctcga gaaagttctg aaggccatga aatanaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aaaagctn 258

<210> 607
 <211> 92
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 76, 78, 83, 85, 87
 <223> n = A,T,C or G

<400> 607
 aaataaaagt ccagctataa ggaagcagtc tgtgcagtgt gtgggtgagt ggatgggaac 60
 gtgtgtgtgt ggtgtntntg gtntntntgt gt 92

<210> 608

<211> 489
 <212> DNA
 <213> Homo sapiens

<400> 608
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60
 agtcccatga aattaattat tttctctgct tgatcttggg ggacagtttc atgaagctgt 120
 cagttagtgc attaaagttt tggaaattct cagacagtgc agtggtatca gaaacttgta 180
 ttcaagagta caggtcagag tcttcttttc ttttcttttt gagatggagt cttgctctgt 240
 tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc 300
 aagcgattct cctgcctcag cctcccaggt aactgggact acagggtgcg gccaccaagc 360
 ccagctcatt tttgtatttt tagtagagat ggggtttcac gatgttggct aggatggctc 420
 cgatctctgg tcagagtctt ttctgtaaat atccttggtg aagaagcaat tttagactgt 480
 agctgttgc 489

<210> 609
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 609
 cctcgggtgt tggagggcaa aggtgacagc atcatggaca gaggcaaaga gatgcttctt 60
 ggtgatggat gcatcgaaga agtgcccagc ctcaagctgg ctgaccacag ggctgtggca 120
 ggccgcatatg tacacctcca cctcaatctc ccggaagtca tggaaaatat tcttcaggct 180
 cttgaggcac acagtgtcca caaaggagag ggcacccagg tccaggatga ggctgtggaa 240
 gtctggctga ggcaggccca gggccttcag tgtggaccca tctggggcct tggagtcttc 300
 ttgaccattg gctgttgcac cttccatctt atctcctgag ctccaccatca tcttgcatgc 360
 ctcaacgttg ttgctcctca tgtcttcaag gctg 394

<210> 610
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 610
 ctgaaaatcc atcagtgcc gcataccaat gaacctctat tcaagtgtac ccaggaagga 60
 tgtgggaaac actttgcac acccagcaag ctgaaacgac atgccaaggc ccacgagggc 120
 tatgtatgtc aaaaaggatg ttcttttggt gcaaaaacat ggacggaact tctgaaacat 180
 gtgagagaaa ccataaaga ggaaatacta tgtgaagtat gccggaaaac attt 234

<210> 611
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28, 56, 66, 67, 80, 124, 206, 211, 255, 257, 268, 275, 297,
 332, 348, 362, 370, 377
 <223> n = A,T,C or G

<400> 611
 cttttttttt tttttttttt tttttttnga aaagtcattg aggccatggg gttggnttga 60
 aaccannttt ggggggttcn attccttctt tttttgtcta aattttatgt atacgggttc 120

09920300 073101

ttcnaatgtg tggtaggggtg gggggcatcc atatagtcac tccagggttta tggaggggttc 180
 ttctactatt aggacttttc gcttcnaagc naaggcttct caaatcatga aaattattaa 240
 tattactgct gttananaaa tgaatgancc tacanatgat aggatgtttc atgtggngta 300
 tgcacgggg tagtccgagt aacgtcgggg cnttccggat aggccganaa gtgttggtgg 360
 anaaagttan atttacnccg atgaatatga tagtgaaatg gattttggcg taggt 415

<210> 612
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 612
 ccactttact aaacatgaaa atgttgcccta tatgttgctc cacagtgatg gatctgcggt 60
 tcttcatcat cacaatggca ctgagaaaca tcaggatctc cacttctctt cagtcaaagt 120
 cacacgggtt accgtcttcg cgttggggtg gcagaccgtg gcagagcggc ggcagtttcc 180
 tcacgagtag gaaggcagca gagagcaggg ccgacagaag gtagtaagg tgggcgagcc 240
 atcgtgaaag tcgcggcacc gaatacacga gagcaattag aggtgccaag accgccatct 300
 tttcggc 307

<210> 613
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 613
 ctgcctcccc gcagtccagg aaaactgcaa aaaatgggaa gtaaggctct ggcaggcaga 60
 cccggcatgt agccgctggc catcttgaat cctagggcat gaagttgccc caaagttcag 120
 cacttggtcta agcctgatgc ctctggttta tcacaaagaa taggatggga taaagaaagt 180
 ggacacttaa ataagctata aattatatgg tccttgtcta gcaggagaca actgcacagg 240
 tatactacca gcgtttggat attgatatat acatggcaaa tctgaatatt gttttatgag 300
 agg 303

<210> 614
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 614
 cctccagcca ggagtgcac aacgtgcttc tgcagtacgg ctgccccgac gagtgcgtgt 60
 agtatctgtt ttatttgact gcagtctcct tggtgcaaaa acaaaatggg aaaaataagg 120
 ataactcaga atttcaaaag gaaatcacia attcagctag taatagcatt ttcagtactt 180
 ttcgtaaaact aagtaaatac acaaaatggt gatttttctg accataagac atattttatg 240
 tccttttgcc aagggtggatg tgtagtctc aggcctcct gg 282

<210> 615
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 615
 ccacaccttc caggcacttg gcctgatgcc ccgcccgtgt gctctcccca ggctccctcc 60
 tcagcctcct gccacccag ggccctttac tctctctcc ctccagacct tctctgacc 120
 cttgctgaac tggggtccct ttgtgagtgt ctacgtctag aggtacctcc ctccctgggg 180
 ggtctcagct cctggagtcg caggcccttg gggccctct gtgagatctc aatgctgtct 240

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ggggacccta agagttttct cacctgttca gtctcatcta accttccaat gtctgatgtt 300
cctgccaaat tcttgccctga ttctgggtcc gtcctgacct ccaaagggtca gcttgggtgct 360
tgagggtctcc ctgctcttgg tggcagtggt agcagcaaca gcagcagcag cagcagcagc 420
agcagcagag acctctccac tttcccttaa cccctctgct gggtagag 468

```

```

<210> 616
<211> 319
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 313, 315
<223> n = A,T,C or G

```

```

<400> 616
ccagataagg ctgacttcag tgctgatgca agttcctttt tggtccttct ctggtaggcg 60
aaggcaatat cctgtctctg tgcatgtctg cggttgggtca aaatgttgac aatggtgacc 120
tcatccacac ctttgggtctt gatggctgtt tcaatgttca aagcatcccg ctcagcatca 180
aagttagtat aggccttgac agaccatat gcacttgggg gtgtagagtg atcacccctcc 240
aagctgagct tgcacaggat ttctgtgaaca gtagacattt tgaaggaagc tgggccgtgc 300
gccgagagct ganancgtc 319

```

```

<210> 617
<211> 406
<212> DNA
<213> Homo sapiens

```

```

<400> 617
cctgcaccag ctcttgggtg gtaaacactc tatagagctc ctctgggtgac gtcaggaagg 60
tttccttaag agtgatctta caagtgggga ttttgactcc aacagggtctg gcctgggttt 120
ttgaaggagc aggccttagcc ttgcgctcct cagttttcag tgctggctgc cccactgggt 180
ctactgactc tccattcatt gtaggtaaga tcatgcoctg ggtgaactct gttttgaggg 240
tgctgatgta aattcccatt gcttctctta gaagtttcac ccttcttcc ttcattaagg 300
ccacgagatt tgtgtcaggc tcatctttgg caaggctcac actaatctcc acttcatcca 360
cgctgttttc atcagacaaa ttggggatct ccacatgtcc tttgta 406

```

```

<210> 618
<211> 485
<212> DNA
<213> Homo sapiens

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```

<400> 618
ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggcgtg 120
tccgcctgct actgagtaag gggcatttct gttacagacc aaggagaact ggagaaagaa 180
agagaaaatc agttcgtggt tgcatgtgtg atgcaaactc gagcgttctc aacttgggta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctgcgcgcc 300
tgggccccaa aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tccgccagta tgttgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag 420
cacccaagat tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggcgtattg 480
ctctg 485

```

```

<210> 619

```

<211> 386
 <212> DNA
 <213> Homo sapiens

<400> 619
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
 tcttcagct tttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
 gcaatgtgag ccgtgtggca atccaa 386

<210> 620
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 351
 <223> n = A,T,C or G

<400> 620
 aaatgccatg atccaggatg gatttttagat cttgttgaaa gcagccacat ccatggactg 60
 cacatagtc tcaaaagcag tgatctgctc ctccagcata tctgttccaa ctttatcatc 120
 ttcaactaca cactgtattt gaagtttctt aattccgtat cccactggaa ctagttttaga 180
 tgagccccag actaagccgt ctgcttgaat gcttctgacg cactcctcta atttcgccat 240
 atctgtctca tcatcccaag gtttcacatc tagtaagatg gaagacttgg caacaagtgc 300
 aggttttttg gctttctttg attcatattg tgcaagacgt tcttccctta ncctctttgc 360
 ttcttcactt tctctctcat catcagatcc aaagagggtca atgtcatcat catctttact 420
 atctgtagct ccacttctctg tagtg 445

<210> 621
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 300, 308
 <223> n = A,T,C or G

<400> 621
 cctgctggga acgggacttc taaaaggaac tatgtctgga aggctgtggt ccaaggccat 60
 ttttgctggc tataagcggg gtctccggaa ccaaagggag cacacagctc ttcttaaaat 120
 tgaaggtggt tacgcccag atgaaacaga attctatttg ggcaagagat gcgcttatgt 180
 atataaagca aagaacaaca cagtcactcc tggcggcaaa ccaaacaata ccagagtcac 240
 ctggggaaaa gtaactcggg cccatggaaa cagtggcatg gttcgtgcca aattccgaan 300
 caatcttinct gctaaggcca ttggacacag aatccgagtg atgctgtacc cctcaaggat 360
 tt 362

<210> 622
 <211> 352

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 20, 86, 141, 218, 242, 296, 301, 321, 337
<223> n = A,T,C or G

<400> 622
cctgctgga acgggacttn ctaaaaggaa ctatgtctgg aaggctgtgg tccaaggcca 60
tttttgctgg ctataagcgg ggtctncggg accaaaggga gcacacagct cttcttaaaa 120
ttgaagggtgt ttacgcccga natgaaacag aattctatit gggcaagaga tgcgcttatg 180
tatataaagc aaagaacaac acagtcactc ctggcggnaa accaaacaaa accagagtca 240
tntggggaaa agtaactcgg gcccatggaa acagtggcat ggttcgtgcc aaattncgaa 300
ncaatcttcc tgctaaggcc nttggacaca gaatccnagt gatgctgtac cc 352

<210> 623
<211> 377
<212> DNA
<213> Homo sapiens

<400> 623
ccaaatgtgt tacttgtgca ccaaagagtt ttttaaaaag agatttgcct acgggtgagc 60
actgaagtat acattgtgcc aatgtaatta ttgtcttggg gaccttctag aacttgctaa 120
atcatatagc aagaagagaa tgagttcagg ccagtaaat ctggtgagtt aatttacatc 180
tgtgatactg ccgtttttcc cattaaatgt ggttatggca aagcattctt agggtataaa 240
ataaataaat aaacttttgg caatgccttt acttgtgccc tatatacaga actattccat 300
agaattttcc aggatttcaa gatactacac aaagaaaaaa actgtaaagc aatttgggtcc 360
tttccaaatt tcagcag 377

<210> 624
<211> 260
<212> DNA
<213> Homo sapiens

<400> 624
ctcgtcgtg cagcgacaca cgccctcgcc gccgccatga ctgagcagat gacccttcgt 60
ggcaccctca agggccacaa cggtgggta acccagatcg ctactacccc acagttcccg 120
gacatgatcc tctccgcctc tcgagataag accatcatca tgtggaaact gaccagggat 180
gagaccaact atggaattcc acagcgtgct ctgcggggtc actcccactt tgtagtgat 240
gtggttatct cctcagatgg 260

<210> 625
<211> 441
<212> DNA
<213> Homo sapiens

<400> 625
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ccttagccaa gatattcctc tgttccctct gctgagataa agaattccct taacatgata 180
taatccaccc atgcaaatag ctactggccc agctaccatt taccatttgc ctacagaatt 240
tcattcagtc tacactttgg cattctctct ggcatggag tgtggctggg ctgaccgcaa 300
aagggtcctt acacactgcc cccaccctca gccgttgccc catcagaggc tgccctcctcc 360

09920300-03404

ttctgattac cccocatgtt gcatatcagg gtgctcaagg attggagagg agacaaaacc 420
aggagcagca cagtggggac a 441

<210> 626
<211> 476
<212> DNA
<213> Homo sapiens

<400> 626
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tttgcaacag ctacagtcta aaattgcttc ttaccaagg atatttacag aaaagactct 180
gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccactctctac taaaaatata 240
aaaatgagct gggcttggtg gcgcgcacct gtagtcccag ttactcggga ggctgaggca 300
ggagaatcgc ttgaaccgga gaggtggaga ttgcagttag ccagatcgc accactgcac 360
tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
tgtactcttg aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaac 476

<210> 627
<211> 607
<212> DNA
<213> Homo sapiens

<400> 627
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tatcattgtg ttagatcaga aggaccgtgc tgtttttact cgacgaggag aagacctttt 120
catgtgtatg gacatacagc tcgttgaagc actgtgtggc ttccagaagc caatatctac 180
tottgacaac cgaaccatcg tcatcacctc tcatccaggt cagattgtca agcatggaga 240
tatcaagtgt gtactaaatg aaggcatgcc aatttatcgt agaccatatg aaaagggtcg 300
cctaatacgc gaatttaagg taaactttcc tgagaatggc tttctctctc ctgataaact 360
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ccaagttaga ctggtggact ttgatccaaa tcaggaaaga cggcgccact acaatggaga 480
agcatatgag gatgatgaac atcatcccag aggtggtgtt cagtgtcaga cctcttaatg 540
ggccagtga taacactcac tgctggcatt taatgtgcag tagtgaatga gtgaaggact 600
gtaatca 607

<210> 628
<211> 278
<212> DNA
<213> Homo sapiens

<400> 628
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tcgtggcac ctgtcatgct ctgcagacgt gcctggaaaa gaagcttatg ttgccttaag 120
gtcatctttc tcctttgagg gagagtacag aagtcgtggc gacaccaca gccaaagccag 180
gatcgttatc tacgcgtgag catgcagagc gggcgtgaga tattcccgct gaatcaagct 240
aaaaataacg catccaagct gccgagttat gaaagcag 278

<210> 629
<211> 329
<212> DNA
<213> Homo sapiens

<400> 629

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 tccgggaggg caggatctca attaggcagc cctcatcagt gccggctccc ttcattggccc 180
 ttgcagctc ttgcacgtca tacagcaccg tgggcgtcat catccccaca atcacctgct 240
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 tgtaggctgt cctgatctcc tggcgctgg 329

<210> 630
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 630
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 tcctaggcga cgagacccag tggctagaag ttcaccatgt ctattctcaa gatccatgcc 120
 agggagatct ttgactctcg cgggaatccc actgttgagg ttgatctctt cacctcaaaa 180
 ggtctcttca gagctgctgt gccagtggt gcttcaactg gtatctatga ggccctagag 240
 ctccgggaca atgataagac tcgctatatg gggaagggtg tctcaaaggc tgttgagcac 300
 atcaataaaa ctattgcgcc tgccctgggt agcaagaaac tgaacgtcac agaacaagag 360
 aagattgaca aactgatgat cgagatggat ggaacagaaa ataaatctaa gtttggtgag 420
 aacgccattc tgggggtgtc ccttgccgtc tgcaaagctg gtgcc 465

<210> 631
 <211> 557
 <212> DNA
 <213> Homo sapiens

<400> 631
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 aaagttaaca aggtgatggt tgctgaagcc ttggatatatt ccagagaaaac ctacctggca 120
 attctgatgg accggtcctg caatggcccc gtgctggtgg gcagccccta ggggggcgtc 180
 gacattgaag aggtggctgc ttcaaaccocg gagctcattt ttaaggagca aattgacatt 240
 tttgaaggaa taaaggacag ccaagctcag cggatggccg aaaatctagg cttcggtggg 300
 cctttgaaaa gccaggctgc agatcaaatt acgaagctgt ataatctctt cctgaaaatt 360
 gatgctactc aggtggaagt gaatcccttt ggtgaaactc cagaaggaca agttgtctgt 420
 tttgatgcc aagataaactt tgatgacaac gcagaattcc gacaaaaaga catatttgct 480
 atggacgaca aatcagagaa tgagcccatt gaaaatgaag ctgccaaata tgatctaaaa 540
 tacataggac tagatgg 557

<210> 632
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 632
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 tcagcagctc agccggcttc ccacttcttg gtacccgggt aactgccagg tgggtgacag 120
 tgatgccagg ctgcgccact actgcactgg acacagcctc accaatgcca ccttcataat 180
 aatggtcctc caggttgagg atcctgccct tggtagcagc agcgtgtcg agaagagatt 240
 ttctgtccag gggcttgatg gtgaaggggt ccagcacgcg gatgttgatc ctttctttct 300
 tcagcagttc ggcagcggcc aagg 324

<210> 633
 <211> 534

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 528
<223> n = A,T,C or G

<400> 633
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aatgttagcc ttgatgagag aatccaattc ttcattctca cgaatagcaa gttgcaagt 180
acgaggggta atacgcttta cctttaagtc ttttgatgca tttcctgcca gttcaagtac 240
ctctgcggtg aggtactcca ggatggctgc gctgtacaca gcggcagtcg cgcccacacg 300
tccatgactg gtcgtcctag attttagggtg tcgatgaata cgcccactg ggaactgcaa 360
gccggctctc tgcgagcggg aaaccgcctt tgtcttggcc ttcccgagc cttttccagc 420
cttaccgcca gccatttcga attccgctga agctcaagca agcaaggcag agaaaaggct 480
aatcggaccc acggtgagat cccaccacct actccttcgt cgaccgnga cctg 534

<210> 634
<211> 500
<212> DNA
<213> Homo sapiens

<400> 634
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atgggttaat acacagaaac atttctgtta atactaaggg aaaaggctgt tcttttattt 180
atttattttt cctgagtcct cacttttttc ttctctgaca aatgtttgaa attcagtga 240
ataccaagg agtcaaggat gaaggggaca caggatggaa tcagaaaaaa cataaatgga 300
atccaggcag ttctatgaga caacactgat atatctcctt gataaagaaa aaatgtacag 360
aatatttaat gagtctgtct tgccccaaaa gggaaaaaca caagtagcta agccatttgc 420
agagaggaaa aatgtcatgg aaaaatgaaa aatctctcta atgtctatag cacatgaaat 480
atctaagtag gtgggtgcag 500

<210> 635
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 499, 518, 527
<223> n = A,T,C or G

<400> 635
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cggttcaggg gtatttccat tgcgcttccc ttccctatta ggaaagtaca ctgtccgccc 120
aagagacagg atggacggcc ttcttccagc tctacataaa gcgcaagccc actgggtcac 180
ccgggtcctg ctttaacatat attagggcta tgttttctaa aaagctgtag tgacacttgt 240
aagtcaacca tgggttcaaat cacatatatta catattgatc aattctttat gatagaaaga 300
cagacataaa tgaatcccat agtaataact ttccagttgc cataaaaaaac aaaaacaaag 360
aaaacaagtg tgggggaaaa aaggtaattg tacacaaata tcctttatgt atacaaaca 420
cttcattcag gtataatttt aatttgaaag acctaggtac agtattattt aagtgataat 480

gacccctaag atttattcna atttactgta aaataatnaa cgaagtnaac gaatctgata 540
taatttt 547

<210> 636
<211> 185
<212> DNA
<213> Homo sapiens

<400> 636
gtcgaagcga ggacgtggtg ggtcctctgg tgcgaaattc cggatttcct tgggtcttcc 60
ggtaggagct gtaatcaatt gtgccgacaa cacaggagcc aaaaacctgt atatcatctc 120
cgtgaagggg atcaagggac ggctgaacag acttcccgtc gctgggtgtg gtgacatggt 180
gatgg 185

<210> 637
<211> 215
<212> DNA
<213> Homo sapiens

<400> 637
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aacggtttta atcggttctc tccgcgtcac aagccatcgg gtaaggcaac ggaatgtgcg 120
tgggggtcccc tgtgggtccg cggtcacaat actgagcctg gaattgctgt tagcaaaata 180
tacatttgcg tcaccataaa aaaccgcgcc gccgc 215

<210> 638
<211> 350
<212> DNA
<213> Homo sapiens

<400> 638
aaaaaagaaa agacagtga cagaaactgc tacctaagga ttctagaggc aatgagacac 60
agagtcctgt ttttcaggac agaccgtatt gcccaagcct ctagcattta cggagcataa 120
attaagaatc ttgttttgcc ttgagtctca ccatgaaata atgacacggg agccacattt 180
gctgagggcc taatatgtac caggcattgt gctaagtagt ttcatatcca tgtctcattt 240
attccgaact tttttcctca gggagagaaa aatcaattac agtcttggtc ataggaaaaa 300
ccaaacttac aattttggga aagcaagaac atgtacagta gaggaggagg 350

<210> 639
<211> 328
<212> DNA
<213> Homo sapiens

<400> 639
aaagctttga aaagctacta cttttacttc taatacatcc agatgaacac gatgtagcaa 60
tatcagcttg tattccagag aaatctcatt agtttttctg gtgatggaac cacttatcca 120
cgtctgttggt tactgtgcag gcagattcac aggggtggtg taaagcatcc acaatggctc 180
tggcagcatc aggatcacac ttgaaggggc tctcagacaa agttgtattc atgcaactga 240
ttccttttcc attcggtttc ttagtcacta atgctttcca atgggtcatga gtgcttttaa 300
taatatcaat ggcaaagtcc ttatcttt 328

<210> 640
<211> 453
<212> DNA

09920300-073101

<213> Homo sapiens

<400> 640

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ccacaggtgc ctgactagga gccoctaggt ccccaggctt gagaaagggg taaaatagaa 60
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ctctcttttc ccaagccttt tataaaactg caggaacact gtggagatgg ttcctatctg 180
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ggcagaggct ggggcagaat gtttacagcc agtgccagca caaggtagta atctagtgcac 360
agagaacagg gtgttatggg gagcatatga gaggccatct atcccagcct gggtgatcct 420
ggagagtttc ccagggttgt gatatgtggc agg                                     453
```

<210> 641

<211> 485

<212> DNA

<213> Homo sapiens

<400> 641

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cctgctgggc ttggcaacga gggactcggc ctcgaggcg acccagacca cacagacact 60
gggtcaagga gtaagcagag gataaacaac tggaaggaga gcaagcaca agtcatcatg 120
gcttcagcgt ctgctcgtgg aaaccaagat aaagatgcc attttccacc accaagcaag 180
cagagcctgt tgttttgtcc aaaatcaaaa ctgcacatcc acagagcaga gatctcaaag 240
attatgagag aatgtcagga agaaagtttc tggaagagag ctctgccttt ttctcttgta 300
agcatgcttg tccccaggg actagtctac caaggttatt tggcagctaa ttctagattt 360
ggatcattgc ccaaagttag acttgctggg ctcttgggat ttggccttgg aaaggtatca 420
tacataggag tatgccagag taaattccat ttttttgaag atcagctccg tggggctggg 480
tttgg                                     485
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<210> 642

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 13, 16, 17, 267, 270

<223> n = A,T,C or G

<400> 642

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gaaatcctca acgagaagga ggccgacgag aggccagccg ggaaggggag ggacgaaccc 120
aacatgaacc ccaagctgga cttaccaa atcgaccagaaa cctccttcc ctgggttcacc 180
aaccatgca agaccatgaa gttcatcggt tggcgccgct ttaagtgggt catcatcggc 240
ttgctgttcc tgcttatcct gctgctnttn gtggcc                                     276
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<210> 643

<211> 305

<212> DNA

<213> Homo sapiens

<400> 643

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cctgctagaa tcaactgccg tgtgctttcg tggaaatgac agttccttgt tttttttgtt 60
tctgtttttg ttttacatta gtcattggac cacagccatt caggaactac cccctgcccc 120
acaaagaaat gaacagttgt agggagaccc agcagcacct ttcctccaca caccttcatt 180
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09560300-073104

ttgaagttcg ggTTTTgtg ttaagttaat ctgtacattc tgTTtgccat tgTTacttgt 240
actatacatc tgtatatagt gtacggcaaa agagtattaa tccactatct ctagtgcttg 300
acttt 305

<210> 644
<211> 517
<212> DNA
<213> Homo sapiens

<400> 644
aaaagtattt tctctacaga gaatcttatt agctatacaa aaatctgtac agTTTTtata 60
ctgaagctag tattgagctg cacttgaatt cacattctta gcaaaataat tgCctgagca 120
cacacacaca ttccacacgc atcattaaag gatagccatt tattcttcat cttcatcctc 180
ttcctcctca tcttcatctt cttcttcctc ctccctcctc tcatcttctg gttcgttctt 240
cttctttgag cctggttgcc tgccagggcc cttctttcct gcttcacttt tgcccttggc 300
acgatatgca gcaatatcct ttccataatt ctcccttagc ttagctgctt tctgttcata 360
tggttggtta tctttggctg actgctcaga ccacatttca cccaatttct ttgcagtatc 420
cccaatggat aggccagggt gttcactttt gatctttggg cgatgttcag agcaaaacag 480
gaagaaggca gatggtggcc ttttaggagc attgggg 517

<210> 645
<211> 484
<212> DNA
<213> Homo sapiens

<400> 645
ctgtatggag cctacctccg catccacgcg cacttcaactg ggctcagata cctgctatac 60
aacttcccga tgacctgcgc cttcataggt gttgccagca acttcacctt cctcagcgtc 120
atcgtgctct tcagctacat gcagtgggtg tgggggggca tctggccccg acaccgcttc 180
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ggctgctcag tagtttttcc tccacagggt aacatccaaa aaagagacaa ttcccgaag 360
gaagtccaac gaaggatctc tgctcatcag ccagggcctg aaggccagga ggagtcaact 420
ccgcaatcag atgttacaga ggatgggtgag agcccctgaa gatccctcag ggacagaggg 480
tcag 484

<210> 646
<211> 325
<212> DNA
<213> Homo sapiens

<400> 646
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aatcagagaa gctggttggt attaaccaag ctacagattc acactttctg gcctaaaccc 120
taatgggatg aggtttttea ccccaggcca tgctgggtgt gatttttttag ccctaaata 180
aaacactgga ctatttcctg ttacttcat tgattgcaac taaaagggtg gactcaaagc 240
aaagcacaat catgccagcc aacattccag aattctgctg agaactccaa gtctgtgagg 300
ggagaggttt tacaagccag acagg 325

<210> 647
<211> 566
<212> DNA
<213> Homo sapiens

05920300-03101

<220>
 <221> misc_feature
 <222> 535
 <223> n = A,T,C or G

<400> 647
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 gatggcgctcc gtcacgtcct tgtagagatg tgcttggtca aactccaggc tgtggccccag 180
 aaagtagtcc accacacagg acggcagagc catctccggg agcgagaaga tgtccatgaa 240
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 ggtacccccca tacagctcaa tcacctcctc gtctggcaca ggctggaggc ccctgtaggc 360
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 gctgtatgat cttttttttt ttttttagtta aattcattta gtgaatgttc tattatttta 480
 tacatacaca ttaagtactc agctaagtaa tggcactatg aggatttttt tttnttttcc 540
 tgtcagcagc agttctgtga atgcat 566

<210> 648
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 648
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 tttcaacata ggttttccag ttatactttt aatattgtga tctttcaaaa atcaatctta 120
 aaatcctttg aaacctgtag cacggctcatt taatgaaagt aaatagaata aagaaaactc 180
 cttatgctat ttttaacaaag gattacaagg aagtgacaac atctgctcac ttcaagtttt 240
 cttttctggg cccatggctt acagcttgct ctgcgatcta actaggctaa gttcatcatg 300
 tgaaaaatgg cacctctagt ggcagaaggc cccttggcac cag 343

<210> 649
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 649
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 gagttcgcaa tctcagcaa catcttaatg cacagccaca agttacaatg caacagcctg 120
 ctgttcatgt acaaggctcag gaacctttga ctgcttccat gttggcatct gccctcctc 180
 aagagcaaaa gcaaatgttg ggtgaacggc tgtttctctt tattcaagcc atgcacccta 240
 ctcttgctgg taaaatcact ggcattgttg tggagattga taattcaaac ttcttcatat 300
 gctcgagtct ccagagtcac tccgttctaa ggttgatgaa gctgtagctg tactacaagc 360
 ccaccaagct aaagagg 377

<210> 650
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 650
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 cagccgcagc ttaggcagcg gaggttctgt gtcccagttg ttttccaatt tcaccggctc 180
 cgtggatgac cgtgggacct gccagtgtc tgtttccctg ccagacacca cctttcccg 240

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ggacagagtg gaacgcttgg aattcacagc tcatgttctt tctcagaagt ttgagaaaga 300
acttttctaaa gtgaggggaat atgtccaatt aattagtgtg tatgaaaaga aactgttata 360
cctaactgtc cgaattgaca tcatggagaa ggataccatt tcttacctg aactggactt 420
cgagctgata aaggtagaag tgaaggagat ggaaaaactg gtcatacag 469

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<210> 651
<211> 436
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 347, 436
<223> n = A,T,C or G

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<400> 651
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gtttgaaggc cagggccaag gggtcctcag gtccgcttct gggaagggac agccttgagg 180
aaggagtcac ggcaagccat agctaggcca ccaatcagat taagaaattc tgagaaatct 240
agctgaccat cactgttggg gtccagtttc ttcatcatgc ggtcaaggac accagggtcc 300
ttctggttct ttgtgaaggc agctagttct gtattcatga agcttangaa ctctgtcttg 360
gagagagtgt agttataacc atcctttcca gcatacttct ggaagacagc aatcaggggac 420
tcgatgcacc gctcan 436

```

```

<210> 652
<211> 446
<212> DNA
<213> Homo sapiens

```

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<400> 652
ccagctcaat gctgacctcc gcaagttggc agtcaacatg gtcccccttc cacgtctcca 60
tttctttatg cctggctttg cccctctcac cagccgtgga agccagcagt atcgagctct 120
cacagtgcag gaactcacc cagcaggtctt cgatgccaaag aacatgatgg ctgcctgtga 180
cccccgccac ggccgatacc tcaccgtggc tgctgtcttc cgtgggtcga tgtccatgaa 240
ggaggctgat gaggagatgc ttaacgtgca gaacaagaac agcagctact ttgtggaatg 300
gatccccaac aatgtcaaga cagccgtctg tgacatccca cctcgtggcc tcaagatggc 360
agtcaccttc attggcaata gcacagccat ccaggagctc ttcaagcgca tctcggagca 420
gttcaactgcc atgttccgcc ggaagg 446

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<210> 653
<211> 290
<212> DNA
<213> Homo sapiens

```

```

<400> 653
ccactttgag catctcatgg tggccctagt gactccacca gcagtctttg atgcaaagca 60
gctaaagaaa tccatgaagg gcgcgggaac aaacgaagat gccttgattg aaatcttaac 120
taccaggaca agcaggcaaa tgaaggatat ctctcaagcc tattatacag tatacaagaa 180
gagtcttggg gatgacatta gttccgaac atctggtgac ttccggaaag ctctgttgac 240
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<210> 654
<211> 467

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09520300-073101

<212> DNA
<213> Homo sapiens

<400> 654
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acacacacaa agacacagca cacacatgca cacacagcac acacacgcga acacagcaca 180
cacgaacatg cacacacagc acacacacat aaaatgtgat acatatatat acacacacac 240
acaaaatgtg atatatatat atgtgtatac acacacacac acacacacac acacacacac 300
acacacacac catggaatac tactcagcca taaaaaggaa tgaaataatg gcattcacag 360
caacttggat ggaattgaag actattattc caagtgaagt aactcaggag tggaaagcca 420
aacattgtat gttctcaccg gtatatggga accaagctat gaggatg 467

<210> 655
<211> 286
<212> DNA
<213> Homo sapiens

<400> 655
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agtctagtaa aattttgaca gtgcatatgt actgttacta aaagctttat atgaaattat 120
taatgtgaag tttttcattt ataattcaag gaaggatttc ctgaaaacat ttcaagggat 180
ttatgtctac atatttgtgt gtgtgtgtgt atatatatgt aatatgcata cacagatgca 240
tatgtgtata tataatgaaa tttatgctgc tggatatttg catttt 286

<210> 656
<211> 304
<212> DNA
<213> Homo sapiens

<400> 656
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ctttgtaccc ctatccttcc aagcacttct ggtacttcag tcgtttttac tgatccacca 120
acacctaaag aggctatgct acagtctcta gctaaatgga agacacattc atccttctcc 180
ctctgactgc tttgatcatc atttattgca tctcataact aattttctaa agtttggatt 240
gggacttttc aggtcctttt tggagggcaa aggaagtgcc agcttctctg gggaacttgt 300
tttt 304

<210> 657
<211> 141
<212> DNA
<213> Homo sapiens

<400> 657
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tttgtttctg ttgagtgtgg gtttagtaat ggggtttgtg ggggtttctt ctaagccttc 120
tcctatttat gggggttttag t 141

<210> 658
<211> 430
<212> DNA
<213> Homo sapiens

<220>

09920300-03404

<221> misc_feature
 <222> 400
 <223> n = A,T,C or G

<400> 658
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 acttgcccat caggggctgg gacatggggg tgtgggtaaa gacagggatg aaggatagag 120
 gctgagagaa gaaggaagaa tcagcccagc aggtatgggc atctgggaaa cctccagcct 180
 caagtgtgtt ggtaacatga aaaagctctg gggggtagtt ggatctgggt gtctgggtcca 240
 ttgctggcag tggacattat tcttgcccta agagacactg ccttttcagc agcagatact 300
 ggtgagatgg ggggtggctca ggctgttctt cctcctccta gaatgtctgg agctgtttct 360
 acattcagat actggtcccc tatcacaagg ctactggctn ataggaattc cctcctgggtg 420
 ccaccactgg 430

<210> 659
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 659
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 gtttgtcagt gtactggaat gcttgaacca aacgtagtgt ctcatccact gatctacca 120
 caggaagatc attcagagta atttgtctta ggattccttt gtcataata atgaagagac 180
 ctctaagagt gtggcctgag tcctctaggt atacaccata gtcctttgag atctgatggg 240
 tcaaactctga aagaagtggg atccttattg gcccaagtcc tccttgtctt cgaggggtat 300
 taatccaggc caaatgggta aactgtgaat caacagagca tgctaccact tcagtattta 360
 tagatctgaa ttcttcaagt ctgtcgccaa aagcgataat ttcagttgga cacacaaatg 420
 tgaaatcaag tgggtagaag aagaaaacca agtatttccc acgataatca gttaacttca 480
 gtcctttaa ttctccatcg atcacag 507

<210> 660
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 660
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 gccacggccg cataggcaag caccggaagc acccggcgcg ccgcggtaat gctggtggtc 120
 tgcataacca ccgatcaac ttcgacaaat accaccagc ctactttggg aaagtgggta 180
 tgaagcatta ccacttaaag aggaaccaga gcttctgccc aactgtcaac cttgacaaat 240
 tgtggacttt ggtcagtga cagacacggg tgaatgctgc taaaaacaag acgggggctg 300
 ctcccatcat tgatgtgggt cgatcgggct actacaaagt tctgggaaag ggaaagctcc 360
 caaagcagcc tgtcatcgtg aaggccaaat tcttcagcag aagagctgag gagaagatta 420
 agagtgttgg gggggcctgt gtcctgg 447

<210> 661
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 661
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 ctgagctggc agtacctgac cactctctcc caggtaacag aagactatgt tcagactgga 120
 gaacactgat cccaaatttg tccatagctg aagtccacca taaagtggat ttactttttt 180

0590300-03404

tctttaagga tggatgttgt gttctcttta tttttttcct actacttta tccctaaaag 240
 aacgctgtgt ggctgggacc tttaggaaag tgaaatgcag gtgagaagaa cctaaacatg 300
 aaaggaaagg gtgcctcatc ccagcaacct gtccttgtgg gtgatgatca ctgtgctgct 360
 tgcggtcat ggagagcat tcagtgccac ggtttaggtg aagtcgctgc atatgtgact 420
 gtcatgagat cctacttagt atgatcctgg ctagaatgat aattaaaagt a 471

<210> 662
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 662
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 ctgagccaga agattgagtt tgagtgcaaa atattcccgc tcatttctca gtcacgctgg 120
 ctggtgaaaa gtggggagct gacagccttg gaggtcagtg cttccccagg gctacgaagg 180
 aagctgaaca cgcgtccagt ccacctgcac ctcttcaatg actgtctgct gctgtctcgg 240
 ccccgagct cagtgactgg agtggcaggc cagggcacaa gaggggaagg ggatgaggaa 300
 agaggggggt ctgaaaggga gagagaaggg tcatgttcct agaagagccc ttctcaatgg 360
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 ggggatccca tcaaaactgta tcatgagacc acatagcagg acatgtaata tggatatagac 480
 acagagcaaa atgtagcaaa ttagcttctc acattctcac atgagtctat ttgtggcttc 540
 tttgga 546

<210> 663
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 663
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 gactttgtac cgtgtcccgt tcttagtgct cgaatgtccc aacctgaagc tgaagaagcc 120
 gccctggttg cacatgccgt cggccatgac tgtgtatgct ctggtggtgg tgtcttactt 180
 cctcatcacc ggaggaataa tttatgatgt tattgttgaa cctccaagtg tcggttctat 240
 gactgatgaa catgggcac agaggccagt agctttcttg gcctacagag taaatggaca 300
 atatattatg gaaggacttg catccagctt cctatttaca atgggagggt taggtttcat 360
 aatcctggac cgatcgaatg caccaaatat cccaaaactc aatagattcc ttcttctgtt 420
 cattggattc gtctgtgtcc tattgagttt tttcatggct agagtattca tgagaatgaa 480
 actgccgggc tatctgatgg gtttagagt 508

<210> 664
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 664
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 attgcagaac ctccccgtat tacagaatct tgggttgat ctcccacttc acccttctag 180
 accatcccag aagatctata agatttcatc tgggaaatca ctaggagttc ttggaaggga 240
 aagaagggaag attgttggtt ggaataaaaa caggggttgaa tgagttocag aaagcagggt 300
 tctcaacctc gtggacagca atctgcagaa gaagagaact tcaaaaaacc aactagaagc 360
 aacatgcaga gaagtaaaat gagagggggc tcctcaggaa agaagacag 409

<210> 665

<211> 452
 <212> DNA
 <213> Homo sapiens

<400> 665
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 aatcaagtgg ggcgatgctg gcgctgagta cgtcgtggag tccactggcg tcttcaccac 120
 catggagaag gctggggctc atttgcaggg gggagccaaa agggatcatca tctctgcccc 180
 ctctgctgat gcccccatgt tcgtcatggg tgtgaaccat gagaagtatg acaacagcct 240
 caagatcatc agcaatgcct cctgcaccac caactgctta gcacccttg ccaaagaatc 300
 agtgaatgca gcttttgaaa tgacattaac agaagggaag aagttggaga agaaactctt 360
 ttattcaacc ttggccactg atgaccgga agaagggatg accgcgtttg tggaaaagag 420
 aaaggccaac ttcaaagacc agtgagaacc ag 452

<210> 666
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 666
 aaattttggc atgcggctac caagggcatc cttgtggcta tggctctgtac tttcttcgac 60
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 atcacgatga agaggcaaat caagcacatg attaatgacc ggtacatccc gtccacacat 180
 gggaagagaa ggtacagagg caaggaggat gccggcaagg ccttcgccag ctagaagcgg 240
 gactgaggct gcctcacgtg ttgcaagaac agttttgagc cattgttaac aatgcctttt 300
 ttcttcacat aaagtagttg attacgaggg agtcaaattt tctttttt 347

<210> 667
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 667
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 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccataat aacaatggca gcatcaccag acttcaagaa tttaggggcca 300
 tcttcagct ttttaccaga acggcgatca atcttttctt tcagctcagc aaacttgcac 360
 gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tggttcagga taatcacctg agcagtgaag ccag 454

<210> 668
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 668
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 gctaaaagct tccatgaagg ggctgggaac cgacgaggac tctctcattg agatcatctg 120
 ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa tgtacaagac 180
 tgatctggag aaggacatta tttcggacac atctgggtgac ttccgcaagc tgatggttgc 240
 cctggcaaag ggtagaagag cagaggatga ctctgtcatt gattatgaac tgattgacca 300
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gatcagcatc atgaccgagc ggagcgtgcc ccacctccag aaagtatttg ataggtacaa 420
gagttacagc ccttatgaca tgttggaag catcaggaaa gagg 464

<210> 669
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 422
<223> n = A,T,C or G

<400> 669
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cccttaaatg ctttatgcaa tgttcttctc atctggatat ttagtacttg acctttatct 120
tctaaccatt cttttatgtc atcaagagtt gcatcagttg ggaagccttt aatataaaca 180
gatctgtttt ttacatcatt ttataactca tcagtcactt caggtagggg tttgcttgga 240
gaccttctga ttttagtttt atcttcaactg atttccatga gttctgcctt ggatttgctc 300
aatgcttcca caattacatt aaagtctgtt gttagacggg tcaacctgtt gaattttatc 360
attatctcca aaggtaccca gccttcatcc agttttatct gttcctttag aaacttgctc 420
cngtggcaaa ttgaagtcgc caaaataata ctcaatttga tgacagattt tggcctccag 480
ggcagccatc ttttcattat caccattttc agccattgag gc 522

<210> 670
<211> 524
<212> DNA
<213> Homo sapiens

<400> 670
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tttaactctc cggccatatt cttgtctgat tttacggagg ttgatgtcgc tactgtgtta 120
aataaccagt actttgggtt tcattccggt actaagtact ttaaggtctt atatgtcata 180
attttattgc taacatcaaa tattttattt attttttaga aaaataacta aacatgggca 240
aaggagatcc taagaagccg agaggcaaaa tgtcatcata tgcatttttt gtgcaaactt 300
gtcgggagga gcataagaag aagcaccag atgcttcagt caacttctca gagttttcta 360
agaagtgtc agagaggtgg aagaccatgt ctgctaaaga gaaaggaaaa tttgaagata 420
tggcaaaagc ggacaaggcc cgttatgaaa gagaaatgaa aacctatata cctcccaaag 480
gggagacaaa aaagaagttc aaggatccca atgcacccaa aagg 524

<210> 671
<211> 189
<212> DNA
<213> Homo sapiens

<400> 671
ctgcagatac ctcggtattga ggatggtaac aattttggag tggctgtcca ggagaagggtg 60
tttgagctga tgaccagcct ccacaccaag ctagaaggct tccacactca aatctctaag 120
tatttctctg agcgtggtga tgcagtgact aaagcagcca agcagcccca tgtgggtgat 180
tatcggcag 189

<210> 672
<211> 446
<212> DNA

09920300 "073401

<213> Homo sapiens

<400> 672

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ctgtgctatt gccaatgaag gtgactgcca tcttgaggcc acgaggtggg atgtcacaga 120
cggctgtctt gacattgttg gggatccatt ccacaaagta gctgctgttc ttgttctgca 180
cgttaagcat ctgctcatcg acctccttca tggacatccg accacggaag acagcagcca 240
cggtgaggta tcggccgtgg cgggggtcac aggcagccat catgttcttg gcatcgaaga 300
cctgctgggt gagttccggc actgtgagag ctcgatactg ctggcttcca cggctggtga 360
gaggggcaaa gccaggcata aagaaatgga gacgtgggaa ggggaccatg ttgactgcca 420
acttgcggag gtcagcattg agctgg                                     446
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<210> 673

<211> 442

<212> DNA

<213> Homo sapiens

<400> 673

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ccacaactgt gaagttagaa aagccctgtc aaagcaagag atggctagtg cttcatccag 60
ccaaagaggt cgaagtgggt ctggaaactt tgggtgggtg cgtggaggtg gtttcggtgg 120
gaatgacaac ttcggtcgtg gaggaaactt cagtggctgt ggtggctttg gtggcagccg 180
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caattttgga ggtgggtggaa gctacaatga ttttggaat tacaacaatc agtcttcaaa 300
ttttggaccc atgaaggag gaaattttgg aggcagaagc tctggcccct atggcggtgg 360
aggccaatac tttgcaaaac cacgaaacca aggtggctat ggcggttcca gcagcagcag 420
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<210> 674

<211> 527

<212> DNA

<213> Homo sapiens

<400> 674

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aaaatgatgg ttgtttttcc gagcttcatt aacaaaaaac tctgctaaat aaaatgcggt 60
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ctctggatgc cactggacac catatactgg atacttataat ccttccattg ttgaaataaa 180
ctcaatcttg ccatctgtat ttgtagttaa gacattgaaa aacttcttta acttttcatt 240
cattgtaaaa ttcttcacgg agaggctcca cttatggaaa ttggcagtca gaggttctac 300
tgctaatagac agcaacaact cagtaggaaa attctggaac attctgctgt gcaattgacc 360
tccagtgaag ttcagcggca ttgccacgtc aacagtatct gtggcaatta ataagcactc 420
tccactaatc agcagtgaaa gctcttcaaa tccaaggcat gtgccccaca caggaaaata 480
gtctccatca tcaaaactct gtatggacaa gttataaaat attttgg                                     527
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<210> 675

<211> 423

<212> DNA

<213> Homo sapiens

<400> 675

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cttcttcagt cgctccaggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
gctgtatttt ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcgtgga ttctgcataa tgggtgatcac acgttccacc tcctcctcag tgagttctcc 300
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05920300 073101

cgccctcttg gtgagggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
cacaccctta atggcagtgga tggcaaaggc tatcttcggc cgcccatcga tgttggtgtt 420
gag 423

<210> 676
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 435, 452
<223> n = A,T,C or G

<400> 676
ctgcacatca aatgtacctg ggatgagggtg ggtggagctt tgaatctacc actatccagg 60
ccacacacct agaagctctg gtttcattgt ttcattgatt tcattgtttt gattgatgct 120
gaccttaggc agcagagtgt tcaatgctct ccagggtgtt ctaaagtgcg gacaagtgtt 180
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ggggtgcagg caatgggttt ccttgacctg aatgggggtc tcacagggtg tgcataatac 300
tatacgtaca catgtcagct cttccctttc tccacagcat acacgtagggt gttccacggc 360
ccacagggtga cagcctttac ttggagttgc ttatctacaa agtattccac acggcgaggc 420
cgatccaagc tggtngtgtc ctctgggccc an 452

<210> 677
<211> 365
<212> DNA
<213> Homo sapiens

<400> 677
aaaaaatagt tcagttacatt tttgtttataa aattcattta caggagggtta ttcacatgta 60
cttgtcaaat ttactcctga taattcacaa aaacatacaa ctcaacaaac tgtgcacaat 120
aaatccaagg caaattatat acaaagaaac aaaacaagct ttaagttagc acatattcat 180
ttgaaataac taatattgaa agaagacagg gaactttctt ttaatgccat ggcaaagacg 240
aagcgaagag ccacacttca caccttgtaa aaagaatagc cctgttcaac aacgctgcgc 300
tgacagccac atcaggagggt gccacgggtga acataggaaa tggctttggc aaatacttgt 360
accaa 365

<210> 678
<211> 478
<212> DNA
<213> Homo sapiens

<400> 678
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tacaaatgtg aaaccagaa cccagttagt gccaggcgca gtgattcagt catcctgaat 120
gtcctctatg gcccggtatg cccacaccat tcccctctaa acacatctta cagatcagggt 180
gaaaatctga acctctcctg ccacgcagcc tctaaccacac ctgcacagta ctcttggttt 240
gtcaatggga ctttccagca atccaccaa gagctcttta tcccaacat cactgtgaat 300
aatagtggat cctacacgtg ccaagcccat aactcagaca ctggcctcaa taggaccaca 360
gtcacgacga tcacagtcta tgcagagcca cccaaaccct tcatcaccag caacaactcc 420
aaccctgtgg aggatgagga tgctgtagcc ttaacctgtg aacctgagat tcagaaca 478

<210> 679

05920300-03401

<211> 437
 <212> DNA
 <213> Homo sapiens

<400> 679
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 tcgcctgcac cccctctctg atccgagctg gatccagagt tgcatacaga ccaatttctg 180
 catcagtgtt atctcgacca gaggctagta ggactggaga gggctctacg gtatttaatg 240
 gggcccagaa tgggtgtgtct cagctaattc aaagggagtt tcagaccagt gcaatcagca 300
 gagacattga tactgctgcc aaatttattg gtgcaggtgc tgcaacagta ggagtggctg 360
 gttctggtgc tggatttga acagtccttg gcagccttat cattggttat gccagaaacc 420
 cttcgctgaa gcagcag 437

<210> 680
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 680
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 tcatggtgca gaagagcagt gttggaatca ttctaattgct tcaggatgcc tcatgtgcc 120
 catggagctc agacatcagg aggtgctggg actctattta gccgttcgat gatgcggttg 180
 ttgtccagga ggtcagatgc cagcagcttc atccccctgc agagctcttg catgtggaga 240
 agcaggtcct ttcgtgtagg gctggggtaa ggagctatgg gaggcggcga gg 292

<210> 681
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 681
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 ggtccagggg cttgtacttc ttgcccttgt agaatttcct gaggttttct ttctgagctc 180
 ggtaataaac tgtgagaaca cgggcaatgg atttccggac gactcggatc ttagagagct 240
 tggaggccgc accgcctgtc actttggcga cgcgcag 277

<210> 682
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 682
 ccactcctgc tgtatctaca cctaccagtc actgaacacc tgcccaagtg tgatggcttc 60
 catgcaggag acccaagtgg ctctgctagg gagaatgact tatttaccta aggccttttt 120
 atttctcaaa agtgggggga aaaagggctg gtttctagaa acagatgtgg aattgaagaa 180
 tgtcccaggg agctaagttt taaggactaa tcacaaactt gtttctccaa caacatcctg 240
 aatccattcc ttgcaccatc acacattttt catgcatcag aagtgtttct agagctccag 300
 aaccacaggt acctcatcac gtcctgagcg ctacatccc ccagcaagcc gcctgcacca 360
 gg 362

<210> 683
 <211> 435

00900300 073104

<212> DNA
<213> Homo sapiens

<400> 683
atcagttgcc aagagcaaca tacataccga cctggctgaa ttattgccag tgaaaacaac 60
ctgtacgaag cctttgctca ggttctaaaa tatgtttgtc cttgcacgaa tttgtatat 120
ttcaaatatt tctgtaaagg tttcttcttt tctgttagag tgtggtgta agccagagtc 180
agtggtttgt gttctcatta aaatgtttgt ttaaatocta tgtccaattc aagcctatct 240
aactacattt ggtaggatta acatttcata taacaaatgg ggcttaatta aaaactttaa 300
cttggataaa aggaacaggg atcactttat cttctgcctt catttacctt agtccaagat 360
tcttgcaaaa caggcaactg aacaaacatt aggtttatgt aggtaaaatg tgaaagcatt 420
tctcctccac ttttt 435

<210> 684
<211> 387
<212> DNA
<213> Homo sapiens

<400> 684
attggattgc cacacggctc acattgcatg caagtttgct gagctgaagg aaaagattga 60
tcgccgttct ggaaaaaagc tgggaagatgg ccctaaattc ttgaagtctg gtgatgctgc 120
cattgttgat atggtttctg gcaagcccat gtgtgttgag agcttctcag actatccacc 180
tttgggtcgc tttgctgttc gtgatatgag acagacagtt gcggtgggtg tcatcaaagc 240
agtggacaag aaggctgctg gagctggcaa ggctaccaag tctgccaga aagctcagaa 300
ggctaaatga atattatccc taatacctgc caccocactc ttaatcagtg gtggaagaac 360
ggtctcagaa ctgtttgttt caattgg 387

<210> 685
<211> 308
<212> DNA
<213> Homo sapiens

<400> 685
cctcagttag tgagtcaagc tgtgatgtgt gtgtctgaac acaactggct cccttggtat 60
accgggggct ccctctccag atgggtgtga gtgcatggtc ctactgtaca cacaggtctc 120
agtatctata tgtgtctcat ttgttcccat gggctctctgt gtttggatac ataagcatgg 180
atatccctgc tcatacagca ggaactcagg atctgcatgg tgtatgtccc tgtctgtaaa 240
catgggctcc agcaagtggg tatgtgcggg cctgcccgtc cctgtccatc cgcaggtctt 300
ccttcagg 308

<210> 686
<211> 500
<212> DNA
<213> Homo sapiens

<400> 686
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ggaggtatag gaaaaggaac acacggggcc aaccagacgc gggagaacta tgggaggtgg 120
agacggctcc ttcacatggc aaagaggatg agaaaggcta ccatcagaca aaagagcccc 180
atggcctccg agagggcaaa gcccagaatg gcgtaggaga agagctgttg cttcagagaa 240
gggttctctg catagccaat gatgaggctc ccaaacacag ttccaatccc agccccagaa 300
ccagccaccc caactgtggc agccccagct ccaatgaact tggctgctgt gtcgatgtcc 360
cttgaaatgg cgctggtttg gaagctgcgg ctagagacaa gtgaggtaag gggacatgag 420
actgccaagc tgctgaggct ctcatctgtc agtatctccg gtcgtttcag caccactgca 480

05920300.073101

gatagcggac ggctcagcag

500

<210> 687

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 555

<223> n = A,T,C or G

<400> 687

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ctctactaaa aatacaaaaa tgagctgggc ttggtggcgc gcacctgtag tcccagttac 60
tcgggaggct gaggcaggag aatcgcttga acccgggagg tggagattgc agtgagccca 120
gacgcacca ctgcactcca gtctggcaac agagcaagac tccatctcaa aaagaaaaga 180
aaagaagact ctgacctgta ctcttgaata caagtttctg ataccactgc actgtctgag 240
aatttccaaa actttaatga actaactgac agcttcatga aactgtccac caagatcaag 300
cagagaaaat aattaatttc atgggactaa atgaactaat gaggataata ttttcataat 360
tttttatattg aaattttgct gattctttaa atgtcttggt tcccagattt caggaaactt 420
tttttctttt aagctatcca cagcttacag caatttgata aaatatactt ttgtgaacaa 480
aaattgagac atttacattt tctccctatg tggtcgctcc agacttgga aactattcat 540
gaatatttat attgnatg                                     558
```

<210> 688

<211> 493

<212> DNA

<213> Homo sapiens

<400> 688

```
aaaaaaaggc ccccgaggca agttattttac agtttaattg ccactgtcaa ctgatctgga 60
ccttgatcgg gaccgggacc tctggcgatc cacagatgct ggagacttag atctacttga 120
agaaccacgt ttctggctct tctcaggcac gggagacctt ctaacagaac gggacttgct 180
ccggctccgg ctctgtctcc tgcttcttga ccggctgtaa gatttgcgac tacgggaacg 240
ggatcggcta cgagacctag aggaacttct ggtccgggat cgagacctgc ttcttgacct 300
actgtgcctt ttgctgcctt caattaattt tatttttctc ccatttattt cctttccaga 360
aagtttttca atagcattct ttaagtcacc ataagaggca aactcaacca ccccttcatt 420
taatttaggt cgggtgtgcat ccgcaaacgt tacttcccca gcttgtctca tgaaatcttt 480
gagatcctgc cag                                     493
```

<210> 689

<211> 439

<212> DNA

<213> Homo sapiens

<400> 689

```
aaacgcaaag attaccttaa gcaacacatg aaaactcatg ccccagaaag ggatgtatgt 60
cgctgtccaa gagaaggctg tggagaagacc tatacaactg tgtttaatct ccaaagccat 120
atcctctcct tccatgagga aagccaccct tttgtgtgtg aacatgctgg ctgtggcaaa 180
acatttgcaa tgaaacaaag tctcactagg catgctgttg tacatgatcc tgacaagaag 240
aaaatgaagc tcaaagtcaa aaaatctcgt gaaaaacgga gtttggcctc tcatctcagt 300
ggatatatcc ctcccaaaag gaaacaaggg caaggcttat ctttgtgtca aaacggagag 360
tcacccaact gtgtggaaga caagatgctc tcgacagttg cagtacttac ccttggctaa 420
gaactgcact gctttgttt                                     439
```

05920300 "073101

<210> 690
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 690
 aaactggatt gaattgcttt gtcttagatg aggctgagaa gggtggttct gaacagaaag 60
 taatgatgac gtccctcttt tttgtagtat gtccgtgggt cagaccctgt attaaagctt 120
 ttggacgaca atgggaacat tgctgaagaa ctgagcattc tcaaattggaa cacagacagt 180
 gtagaagaat tcctgagtga aaagttggaa cgcataataa tcttgcttaa attttgtcct 240
 atccttttgt taccttatca aatgaaatat tacagcacct agaaaataat ttagttttgc 300
 ttgcttccat tgatcagtct tttacttgag gcattaaata tctaattaaa tcgtgaaatg 360
 gcagtatagt ccatgatatc taaggagttg acaagcttaa caaaacccat tttttataaa 420
 tgtccatcct cctgcatttg ttgataccac taacaaaatg ctttg 465

<210> 691
 <211> 550
 <212> DNA
 <213> Homo sapiens

<400> 691
 ccacggggac tggtattcgc aagctgggtt tctagacctg ttagttggaa gcatgggtgag 60
 caccatttct ggacgctcag gccgtgtcgg gcttcagtca tctccaccac acaggtagag 120
 cagecgttct tggtagtcgc ccttagtgct ttgctggata taatagtaca gggacttgcc 180
 gtactttctc ttgaattcag acctaatatt caacatgtcc acttcaactgc gggagaccat 240
 gattctgatc aggaccttat ctgcgcgtccc cttgcccttc atggagtcac acagccgatc 300
 agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaaag cattttccag 360
 gtctccttta acctctttcc tgatgctttc caacatgtca taagggtgt aactcttgta 420
 cctatcaaatt actttctgga ggtggggcac gctccgctcg gtcagatgc tgatccactt 480
 gggaacatca gttcctttcc tcttcaactcc agtgtcatag agatcccag catcttggtc 540
 aatcagttca 550

<210> 692
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 14, 51, 108, 330, 339
 <223> n = A,T,C or G

<400> 692
 canatgtcct aggnccctccc aattcttaga catttaatac ccatttttct nctcctttta 60
 ttccggacctt gtatcttcca tttagcttct caaatcatcc aaaaccgnat ccaggccatc 120
 accaatcatt ctatacgaca aatgttttct ctaacatccc catgatatca ccccttacca 180
 caagacctcc cttcagctta atctctccca ctctaggctc ccacgcgcgc cctaattccc 240
 cttgaagcag ccctgagaaa catcgcccat tatctctcca taccacccc caaaaatttt 300
 cgctgcccc acaattcaac actattttgn tttatttgn ttattaatat aagaaggcag 360
 gaatgtcagg 370

<210> 693
 <211> 520

0990300 "073104

<212> DNA
<213> Homo sapiens

<400> 693
 aaaacctgaa ttgttaccgc atcattttcc ttttcataaa aatagatata tctgttcaga 60
 atttctataa aaagctgcac ttgtagagag ggggccatgc actgatttgc tattttttaga 120
 gcttttttta ggcactccat taccctcttg cctccgtgaa gctcctcccc atttttgtcc 180
 gtgtttctgc cagaccagaa gagatgtgca cagggtgctca cagctcggcc ctgatcaggt 240
 ttcttttagaa gtttgatgc agcaagggca cactgagtc tccagagggtc atgattctct 300
 tcactgaagc acttcatcct ttcaaaagt ccaatgatca aggtgatggc agctagctgt 360
 gctttggaat cgctgatttc atcttcatac agagaaaatg cctgggacat gaattcatat 420
 gcgactgtct catgattttc aaaaccaatt tccccagcag ctagtgtctc ttgaagaaaa 480
 agtcttaagg gcaattctgc cagctctgct ttgatcaaag 520

<210> 694
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 694
 ctgcattgag ttagcggggg cggagtggc ctggggcagc ctgtccctaa cagaatccac 60
 ctccgagttg tgacaattaa atgaaaagg tgaagggtg aacatgaagc acctgctaca 120
 ctgccctgtt gccaccagca ttgtcactgc tctagctcct gtggcactgc acggacacgt 180
 gggtgctaca agttagtacg catatttggc cttatttagag gcactttcct attgtaactg 240
 aagggatagt tggcttaagt caattgaaat accagcaaca ggacattcca gcttcaatgg 300
 cttgtgcctg tagttgtcaa cctgcgccaa gaactgaggc ag 342

<210> 695
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 695
 aaattgtag gaggttga gctattagtt aatctatctt ccaatacact gtttaatat 60
 gcactgaata aatgatgcaa gttgtcaatg gatgagtgat caactaatag ctctgctagt 120
 aattgattta tttttcttca ataaagtgc ataaaccaat gagtttagctg cctggattaa 180
 tcagtatggg aaacaatctt ttgtaaatgc aaagctgttt tttgtatata ctgttgggat 240
 ttgcttcatt gtttgacatc aaatgatgat gtaaaagtgc aaagagtga tattttgcca 300
 tgttcagtta aagtgcacag tctgttacag gttgacacat tgcttgacct gatttatgca 360
 gaattaataa gctatttga tagtgtagct ttaatgtgct gcacatgata ctggcagccc 420
 tagagttcat agatggactt ttgggaccca gcagttttga aatgtgttta tggagttaa 480
 gaaatttatt ttccagggtgc agc 503

<210> 696
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 696
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 aaggcaatat cctgtctctg tgcaattgctg cggttggtca aaatgttgac aatggtgacc 120
 tcatccacac ctttggtctt gatggctgtt tcaatgttca aagcatccc ctcagcatca 180
 aagttagtat aggttttgac agaccatat gcacttgggg gtgtagagt atcaccctcc 240
 aagctgagct tgcacaggat ttcgtgaaca gtagacatt tgaagggaagc tgggccgtgc 300

09920300 073404

gccgagagct gagagcgctcc ccaaa

325

<210> 697
 <211> 500
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 422
 <223> n = A,T,C or G

<400> 697
 ccaccatcta tgcaaagtga aagctctgaa caagggtgat gccaaactctg aagtcactgt 60
 gtactaccag tcaggtacca ggagtctaag agaataacg cttatggagc tgcttgatgat 120
 gcacatggaa gaaccttggt ttgacttcct tcgaaccaag cagacccttg ggtaccatgt 180
 ctaccctacc tgtaggaaca catccgggat tctaggattt tctgtcactg tggggactca 240
 ggcaacaaaa tacaattctg aagttgttga taagaagata gaagagtttc ttcttagctt 300
 tgaggagaag attgagaacc tcaactgaaga ggcattcaac acccaggtca cagctctcat 360
 caagctgaag gagtatgagg ataccacact tggggaggag gtggatagga actggaatga 420
 angtggttac acagcagtac ctctttgacc gccttgccca cgagattgaa gcaactgaagt 480
 cattctcaaa atcagacctg 500

<210> 698
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 698
 ccagataccg cccacgtgcc cccatcattg ctgtgaccgc gaatccccag acagctcgtc 60
 aggccacact gtaccgtggc atcttccttg tgctgtgcaa ggaccagtc caggagg 117

<210> 699
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 699
 ctgggggttat aagtttatag ttgggaactt ccttacagag tttatcatag gtagctttgt 60
 caaacaagac taagttattg agcttgccc gaactttgcc ttgggaccac ttcttctttt 120
 tggccttgcc cccgatttg ttcaactggg ctttgtcttt cttggccgac ttccagcgt 180
 ccttcttctt cttgtcgccc ttagcgaggc ttgcgaagct cggagaatag cagcagacac 240
 cgcagcctcg tcaagatgac ggacaaaa 268

<210> 700
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 700
 tttttgcaact ttttttataa gcaaaaacgt gccgttttaa ccaactggatc tatctaaatg 60
 ccgatttgag ttccgcacac tatgtactgc gtttttcatt cttgtatttg actatttaaat 120
 cctttctact tgcgctaaa tataattggt ttagctctat ggcattgatga tagcatatgt 180
 gttcaggttt atagctgttg tgttt 205

0550300.03101

<400> 701

<210> 702

 $\langle 220 \rangle$

<400> 702

<210> 703

<400> 703

<210> 704

```
<211> 221
<212> DNA
<213> Homo sapiens
```

<400> 704

```

aaaaagacaaa aacaaaacaa aaataaccaca gctcaagata aagagtccta tacagaaatc 60
acaaaaagga cagaccatct aaggaaaaat taaaaagacg acacaaggac aggctgggca 120
gcctgggtca gggctcctgg ctggtgacct gctttgagta ggtttcttgc aggtacttct 180
taaaagctgt ggggtttttc cagagctcgg cagcatgtgt g                                     221

```

<210> 705

<211> 568

<212> DNA

<213> Homo sapiens

<400> 705

```

ccaggctggg cttgaactcc tgacgtcaag tgatctgcct gccttgggtct cccaatacag 60
gcatgaacca ctgcacccac ctacttagat atttcatgtg ctatagacat tagagagatt 120
tttcattttt ccatgacatt ttctctctct gcaaatggct tagctacttg tgtttttccc 180
ttttggggca agacagactc attaaatatt ctgtacattt ttcttttata aaggagatat 240
atcagtgttg tctcatagaa ctgcctggat tccatttatg ttttttctga ttccatcctg 300
tgtcccttcc atccttgact cctttgggtat ttactgaat ttcaaacatt tgtcagagaa 360
gaaaaaagtg aggactcagg aaaaataaat aaataaaaga acagcctttt cccttagtat 420
taacagaaat gtttctgtgt cattaacat ctttaatcaa tgtgacatgt tgctctttgg 480
ctgaaattct tcaacttgga aatgacacag acccacagaa ggtgttcaaa cacaacctac 540
tctgcaaac tttggtaaagg aaccagtc                                     568

```

<210> 706

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 153

<223> n = A,T,C or G

<400> 706

```

cctcctgggc actctgtccc tgcactccat gtatagtcct cttgggttgg ggggtggggg 60
gtgccgttgg tgggagagac aaaaagaggg agagtgtgct ttttgtacag taataaaaaa 120
taagtattgg gaagcaggct tttttccctt canggcctct gctttcctcc cgtccagatc 180
cttgagggga gcttgggaacc ttagtgacac tacttcagtt cagaacactt agcacccac 240
tgactccact gacaattgac taaaagatgc aggtgctcgt atctcgacat tcattccac 300
ccccctctta ttt                                     313

```

<210> 707

<211> 410

<212> DNA

<213> Homo sapiens

<400> 707

```

ccagcgagca catgaagcgg ttcttcgtga acttttgtgt tgggcaggat ccgggctcag 60
acgtcgctt ccacttcaat ccgcggtttg acggctggga caaggtgggc ttcaacacgt 120
tgcaggggcg gaagtggggc agcgaggaga ggaagaggag catgcccttc aaaaagggtg 180
ccgcctttga gctggtcttc atagtccctg ctgagcacta caaggtgggt gtaaatggaa 240
atcccttcta tgagtatggg caccggcttc ccctacagat ggtcacccac ctgcaagtgg 300
atggggatct gcaacttcaa tcaatcaact tcatcgagg ccagccctc cggccccagg 360
gacccccgat gatgccacct taccctgggc ccggacattg ccatcaacag 410

```

T01E20'00E02560

<400>	708						
ctgctgcccc	tgctggtgcc	attgccccat	gtgaagtcac	tgtgccagcc	cagaacactg	60	
gtctcgggcc	cgagaagacc	tccttttttc	aggttttagg	tatcaccact	aaaatctcca	120	
ggggcaccat	tgaaatcctg	agtgatgtgc	agctgatcaa	gactggagac	aaagtgggag	180	
ccagcgaagc	cacgctgctg	aacatgctca	acatctcccc	cttctccttt	gggctgggtca	240	
tccagcaggt	gttcgacaat	ggcagcatct	acaaccctga	agtgtttgat	atcacagagg	300	
aaactctgca	ttctcgcttc	ctggaggggtg	tccgcaatgt	tgccagtgtc	tgtctgcaga	360	
ttggctaccc	aactgttgca	tcagtacccc	attctatcat	caacgggtac	aaacgagtcc	420	
tggccttgtc	tgtggagacg	gattacacct	tcccacttgc	tgaaaaggtc	aagg	474	

```

<400> 709
ccaacctcag gcaacgggtg gagcagtttg ccagggcctt ccccatgcct ggttttgatg 60
agcattgaag gcacctggga aatgaggccc acagactcaa agttactctc cttcccccta 120
cctggggcag tgaatatagaa agcctttcta ttttttggtg cgggagggaa gacctctcac 180
ttagggcaag agccaggtat agtctccctt ccagaattt gtaactgaga agatcttttc 240
tttttccttt ttttggtaac aagacttaga aggagggcc aggcactttc tgtttgaacc 300
cctgtcatga tcacagtgtc agagacgcgt cctctttctt ggggaagtgt aggagtgcc 360
ttcagagcca gtacaggca ggggtgggta ggcaccctcc ttcctgtttt tatctaataa 420
aatgctaacc tqcaaaaaaaaa aa                                     442

```

```
<220>  
<221> misc_feature  
<222> 486  
<223> n = A,T,C or G
```

<400> 710						
cgctccccc	tcccccgag	cgccgctccg	gctgcaccgc	gctcgctccg	agtttcaggc	60
tcggtgctaag	ctagcgccgt	cgtcgtctcc	cttcagtcgc	catcatgatt	atctaccggg	120
acctcatcag	ccacgatgag	atgttctccg	acatctacaa	gatccgggag	atcgcgagcg	180
ggttgtgcct	ggagggtggag	gggaagatgg	tcagtaggac	agaaggtaac	attgatgact	240
cgctcattgg	tggaaatgcc	tccgctgaag	gccccgagg	cgaagggtacc	gaaagcacag	300
taatcactgg	tgtcgatatt	gtcatgaacc	atcacctgca	ggaaacaagt	ttcacaaaag	360
aagcctacaa	gaagtacatc	aaagattaca	tgaaatcaat	caaagggaaa	cttgaagaac	420
agagaccaga	aagagtaaaa	ccttttatga	caggggctgc	agaacaaatc	aagcacatcc	480
ttgctnattt	caaaaactac	cagttcttta	ttggtgaaac	atgaatccag	atggc	535

$$\begin{array}{ll} \langle 210 \rangle & 711 \\ \langle 211 \rangle & 332 \end{array}$$

<212> DNA

<213> Homo sapiens

<400> 711

```

cctggatgtg gctcttcgca ctgaaggcca agtagtagat cacaaggccg atcgccgcag 60
ccagcacctc agtggacacc cagggcccggt tccaagtgcc ccgatgggtcc acgctgactg 120
taaacagagg cgggatgatg gaaatgtcct cgttattcct ctgagccttc ctgaggaggc 180
tgtaggactc ctcgtcgaag aatctaacct cgtaggtgcc tgcgtgggcg ctcttgtggt 240
ccaggctcca ggacacctga taacgccccg catcctggcc tcgagtgaca gggaattggt 300
ttccaccgac gtcagcatag agagccatgt tc                                     332

```

<210> 712

<211> 481

<212> DNA

<213> Homo sapiens

<400> 712

```

ctgaagaaaa aagcagtcac cgattttaag tccaatgggc acatttatga caatcggata 60
gttctgaatg gcatcgacct caaagcattt cttgatagtc taccagatgt gaaaattgtc 120
aagatgaagt gtcctgatgg aggagacaat gcagatagca gtaacacagc tcttaatatg 180
cctgttattc ctatgaatac tattgcagaa gcagttattg aaatgattaa ccgaggacag 240
attcaaataa caattaatgg attcagtatt agcaatggac tggcaactac tcagatcaac 300
aataaggctg caactggaga ggaggttccc cgtaccatta ttgtaaccac ccgttctcag 360
tacgggttac cagaagatgc catcgtatac tgtaacttta atcagttgta taaaattgac 420
ccttctactt tgcagatgtg ggcaaacatt ctgaagcgtg ttcccaatag tgtactctgg 480
c                                                                                   481

```

<210> 713

<211> 129

<212> DNA

<213> Homo sapiens

<400> 713

```

caacagcgag caccttcctg ctccgtgact gttcttggcc cctctagcag tcctcagatc 60
tttagatcgg ccctcgcagg gtcagcagaa caggcagccg tgaagggtgag gggcatggag 120
gaatctggtt                                     129

```

<210> 714

<211> 471

<212> DNA

<213> Homo sapiens

<400> 714

```

ctgacattcc tgccttctta tattaataag acaaataaaa caaaatagtg ttgaagtgtt 60
ggggcagcga aaatttttgg ggggtggtat ggagagataa tgggcgatgt ttctcagggc 120
tgcttcaagc gggattaggg gcggcggtgg agcctagagt gggagagatt aagctgaagg 180
gaggctcttg ggtaaggggt gatatcatgg ggatgttaga agaaacattt gtcgtataga 240
atgattggtg atggcctgga tacgggtttt gatgatttga gaagctaaat ggaagatgca 300
aggtccgaat aaaaggagga gaaaaatggg tattaaatgt ctaagaattg ggaggacctt 360
ggacatttga ttagagagtg cctaaggaga ttcagcatag tcctgccagc aaagattatt 420
tacttcaaga gttaagagtg gcagtttggg gatagcacca ggagatatca g                                     471

```

<210> 715

<211> 454

TCTE20"00E02550

<212> DNA
<213> Homo sapiens

<400> 715

```
ctggcttcac tgcctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgag gtgggagcgtca 300
tcaaagcagt ggacaagaag gctgctggag ctggcaagggt caccaagtct gccagaaaag 360
ctcagaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg 420
gaagaacggg ctcagaactg ttgttttcaa ttgg 454
```

<210> 716
<211> 300
<212> DNA
<213> Homo sapiens

<400> 716

```
caggctcctgg gctcgccctgg accacaagtt tgacctgatg tatgccaaagc gtgcctttgt 60
tacttggtac gtgggtgagg ggatggagga aggcgagttt tcagaggccc gtgaggacat 120
ggctgccctt gagaaggatt atgaggaggt tggagcagat agtgctgacg gagaggatga 180
gggtgaagag tattaacctg tgtgctgtac ttttactctc ctttgtcttg gaactgtctt 240
atTTTTgttc tgtaaatgtc tattgccgta aattgttaat aaaattgatg tttccatttt 300
```

<210> 717
<211> 575
<212> DNA
<213> Homo sapiens

<400> 717

```
aaaatcatat ccagcacaaa aactatttct ggctgaatag cacagaaaag tattttaacc 60
tacctgtaga gatcctcgtc atggaaagggt gccaaactgt tttgaatgga aggacaagta 120
agagtgaggc cacagttccc accacacgag ggcttttgta ttgttctact ttttcagccc 180
tttactttct ggctgaagca tccccttggg gtgccatgta taagttgggc tattagagtt 240
catggaacat agaacaacca tgaatgagtg gtatgatccg tgcttaatga tcaagtgtta 300
cttatctaata atcctctag aaagaaccct gttagatctt ggtttgatgat aaaaatataa 360
agacagaaga catgaggaaa acaaaaagggt ttgaggaaat caggcatatg actttatact 420
taacatcaga tcttttctat aatatcctac tactttgggt ttcttagctc cataccacac 480
acctaaacct gtattatgaa ttacatatta caaagtcata aatgtgccat atggatatac 540
agtacattct agttgggaat cgtttactct gctag 575
```

<210> 718
<211> 483
<212> DNA
<213> Homo sapiens

<400> 718

```
ctgcctataa aactagactt ctgacgctgg gctccagctt cattctcaca ggatcatcatc 60
ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcatact gtgctgccaa 120
agctgggtcc atgacaactt ctggtggggc gagagcaggc atggcaacaa attccaagtt 180
agggctctcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt tgtagttact 240
tttggcagaa atgtcgtagt actgaagatt cttctttcgg tggaagacaa tggatttcgc 300
```

05920300-073404

```

cttcactttc ctgtccttaa tatccacttt gttgccacac aacacaatgg ggatgttttc 360
acacactcgt accagatctc tatgccagtt aggcacattc ttgtaagtaa ctctcgatgt 420
tacatcaaac attatgatgg cacactgggc ttggatataa tagccatctc tcagtccacc 480
gaa 483

```

```

<210> 719
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<400> 719
aaaaaaactg gcttgga aaaacacaaa aaatttaagt gacaacaaat cttgattaac 60
tagtccatct tcctaccaca catgattata ctctaagtga gatattctgg ttgaatttct 120
tccaaccaag tttgaagggc cccagtagaa aatcaagtgt taatactttc agatttttat 180
tgtccaaaac tgttgacaaa gaaaagctaa cttcaacata acttgtttct ggctatacaa 240
agacctatct caggtgctac agatactgaa aataggagta ttttacttat ttctcaagag 300
acagacttat gccatctaag aaaatgaatt cagttttt 338

```

```

<210> 720
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 474
<223> n = A,T,C or G

```

```

<400> 720
aaaatgcact gggagggaaa aaacgaaatt aacaatctac tattccctaa tatatatggc 60
ttggcaccca gagaaagcct ctacccccga aagagacttt ctacataggg ttaagcttca 120
ttaaatgagg tgcaaccttt cattttcagg gcattctctt tcttgcaagg tcttttagagg 180
cagaagttcc acttgatttc taatacacat ctctgtgagc tcagtttccg gaaaatatac 240
acctactggg ttctagggttc tcccttacca gtgactgtat tcattatttc acagccacca 300
gaatcggaaca tacactatta acatgatgaa aaatacagct actgctgcaa gtttggcata 360
agtggaaagc atgttcaagt acttcgcac ctggcggtat ttcttggaca gactggacaa 420
attgttagcc tttgaatcca atgctgagag tgcttctcct cgttgtaaca cttnttcaat 480
attgg 485

```

```

<210> 721
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<400> 721
aaaacaagca aattttatta aaggaaaatt ttgcaggttt aaggtttgca ggtgaaattt 60
tgtagggtgaa aagggtttact tttcaccagt ctgttctggc atgcttctaa tgatgtcaga 120
gtcacctgga tcaatgatag ccagtgtgca cactctgtag tattttccgc atgctgtgcc 180
cagttcaata ttattgccac tgtagtgatg gacaccagtt ttagccaaca tagcatagta 240
ctctatttca gatttcctca aagctgggca gttgttagcg agaataacca atttcgcttt 300
gccttgtctg atcatcttca gagtctgctt gtaccccagg acgtacttcc cacttttcat 360
aacgagttgg agcctagagt tgatcgactc cagcgacttt ttcgtcttct ttgcggccac 420
catcttctct ccttaggagc gg 442

```

09920300.073104

<210> 722
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 722
 ggccgatacc tcaccgtggc tgctgtcttc cgtgggtcga tgtccatgaa ggagggtcgat 60
 gagcagatgc ttaacgtgca gaacaagaac agcagctact ttgtggaatg gatccccaac 120
 aatgtcaaga cagccgtctg tgacatccca cctcgtggcc tcaagatggc agtcaccttc 180
 attggcaata gcacagccat ccaggagctc ttcaagcgca tctcggagca gttcactgcc 240
 atgttccgcc ggaagg 256

<210> 723
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 723
 ctgaagccgt ggatacagaa atctctgcag gcaagttgct ccagagcata ttgcaggaca 60
 agcctgtaac gaatagttaa attcacggca tctggattcc taatcctttt ccgaaatggc 120
 aggtgtgagt gcctgtataa aatattctat gtttaccttc aacttcttgt tctggctatg 180
 tggatatctg atcctagcat tagcaatatg ggtacgagta agca 224

<210> 724
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 724
 aaaaattatc atcaagacat ttacaccac aagtcacata aaattaggct tacttcagcc 60
 agataaccta tagctgttaa agaattatat tatcctgttc ataagatgag aggtagtgc 120
 attttattct ctcaatgctg agctaaaaat tccacacatc tggcacatgg gttacaagg 180
 ggaaaagcac agaagcacca ttgccactc ctcagggttt ggtatttcaa gtcaccata 240
 acttcatttg ctattggcag 260

<210> 725
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 725
 aaaaaacaaa caggttgaaa aatgggttaa agtaggcaaa tacaacatat ctgccttttag 60
 agctatcaac tcaggaattc tctcaattat gaaatcttgc agagaagtta tttttctttc 120
 tcaaaatcca ggtgatgaca atattcctta ctccagatct ggcatttttt catcatcact 180
 gtcttgtgaa tcatca 196

<210> 726
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 726
 gacggcttga gggctgtcaa aaatgctatt gatgatggct gtgtggttcc aggtgctggt 60
 gccgtggaag tggcaatggc agaagccctg attaaacata agcccagtgt aaagggcagg 120

05960300.073404

gcacagcttg gagtccaagc atttgctgat gcattgctca ttattcccaa gggtcttgct 180
 cagaactctg gttttgacct tcaggaaaca ttagttaaaa ttcaagcaga acattcagaa 240
 tcaggtcagc ttgtgggtgt ggacctgaac acaggtgagc caatgggtggc agcagaagta 300
 ggcgatggg ataactattg tgtaaagaaa cagcttcttc actcctgcac tgtgattgcc 360
 accaacattc tcttggttga tgagatcatg cgagctggaa tgtcttctct gaaaggttga 420
 attgaagctt cctctgtatc tgaatcttga agactgcaaa gtgatcctga ggattacag 479

<210> 727
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 727
 aaaattaatc ttgcttcatt gttacatgta atatatttca gacattttca ctggaagatt 60
 tatgaacaga aatattgggt gaaagttaga gattttacaa aatgctgaca aaaatatttt 120
 cctagcatca gtagatttct ggcatatggt tctgctagct atatatttag gaaattcaaa 180
 gcataaaaact ttggcaacat cttggctggt ctagacacag tgtacttgtc aacctctctc 240
 aggtaccttt tcttgggatg cttattagaa gccaaagtaa gtgcttaagg tttgttttca 300
 ttaaattagc tatttctgct cccctgttca aagatgcatt ttgagtgtt atagatcact 360
 gccctttttg aaatcacct 379

<210> 728
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 728
 aaatttctga acttcttcaa tacaaattaa aatagtactg gagtcttttg ggaggccaat 60
 agctagcagc tacattaatt ggtgtagagg agcctcctta tcgataacca ggtccagggt 120
 gggatatagc ctgaccaaag ggaggacggg tacgcgcata aggattaggc ccacttggag 180
 gaggggtcat ggtacttcca ggaagtgaag taaaacctgg tcttgggttga taggccccag 240
 gttggcttgg agccattcca ggttgagagg caggagccac agtataatta gtaggctgag 300
 aagtttgggc agtgaagtt tgtgcaggat aattgctcgc ctgggtactgc tgtggcggct 360
 gagcaggcag ttgttgaggc tgaccagaaa aggcaggagc tgggtgcctgg gaagttgggt 420
 gctgg 425

<210> 729
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 431
 <223> n = A,T,C or G

<400> 729
 caactggatg gaagactcgg acgtggaaga tctgactaaa gagaccctgc acaagcagta 60
 ccacctggta aaatcgaca ccaacaccag ccacgtcatg cagtatggaa acaaaacaat 120
 ctccaccatg aaagtgatgc agtttcaggg tatgaagcgc aaagccagtt ctcccgctcc 180
 cctacctcca gtcacacacc ttgacctcac cccagccct gatgtgcctc tcaccatcat 240
 gaaaaggaaa ctgatgaaca ccaatgatct ggaggagtcc aggcagctca cggaggagat 300
 ccagcggcat ctggatgccg ggcacctcat tgagaagtca gtgcgtaaga tcgtctcctt 360
 gctggcagcg tccgaggctg aggtggagca gctcctgtcc gagagagccc cgctcacggg 420

442

<211> 505

<212> DNA

<213> Homo sapiens

$\langle 220 \rangle$

<221> misc feature

<222> 450

<223> n = A, T, C or G

<400> 730

ctgggctgat	gaaacggatg	acctggaagg	agatgtttcg	accacttggc	acagtaacga	60
tgacgatgtg	tatagggcgc	ctccaattga	cgtttccatc	cttcccactg	ctccacgggc	120
tgctcgggaa	cccaatatcg	accggagccg	tcttcccaaa	tgcgccacct	acactgcttt	180
tctaggaaac	ctaccctatg	atgttacaga	agagtcaatt	aaggaattct	ttcgaggatt	240
aaatatcagt	gcagtgcgtt	taccacgtga	accagcaat	ccagagaggt	tgaaaggttt	300
tggttatgct	gaatttgagg	acctggattc	cctgctcagt	gccctgagtc	tcaatgaaga	360
gtctctaggt	aacaggagaa	ttcgagtgga	cgttgctgat	caagcacagg	ataaagacag	420
ggatgatcgt	tcttttggcc	gtgatagaan	tcgggattct	ggcaaaacag	atacagactg	480
gagggctcgt	cctgctacag	acagc				505

<210> 731

<211> 463

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 347

<223> n = A, T, C or G

<400> 731

cctggggcctt	ctgtcgctca	ggagttcagg	ggtggacgca	gaaatggggg	aaggagagtg	60
gctacgtaga	gagtgaagac	gagattccta	aaaagatgca	cagagagacc	ctcagagagg	120
ccaagaaaga	tggtgagagg	gtagggaagg	agagggaggg	agagagagag	agagaagcag	180
agggaatggg	ttgactggc	tgaggatggt	ggaggagccg	tctcactccc	ttcctaattgt	240
ctatagatca	ataacgaggg	aagaaaggag	gacagggagc	tgatggaaac	acagcttgcc	300
aactgccaa	ggaagaaggt	agggctggac	tcctgctgt	ggccanccc	ttgttagggg	360
ttggtctctc	actgcagcca	gacaggatga	tcctgggttc	tggggagggg	taagctgcc	420
cttgccgagt	tctgcaccga	ataaagagtc	caaaccgcct	gct		463

<210> 732

<211> 459

<212> DNA

<213> Homo sapiens

<400> 732

ctgacatgga	tgtggggcag	ataggccttc	acaggcagaa	ggatgtaaaa	attgtgacag	60
tggagaagaa	agtaaatgag	atcctgaacc	gattagaaaa	gaccaaagtc	gagcggttcc	120
cagacctaagc	agcagagaaa	gaatgcagag	atcgtgaaga	gaggaatgag	aaaaaagccc	180
aaattcagga	aatgaaaaaa	agagaaaaaa	aagaaatgaa	gaagaagagg	gaaattggtg	240
aacttaggag	ctatttcatca	ctaattgaaa	ttgaaaaatat	gtcttcaaat	caggatggca	300

atgattcaga tgaattcatg taaaaggaga aaaggagaaa aggacctttg aaagatgtga 360
 atgtagagac aattgcagac cttttgggtt catctgtgtt ctgaagcata aaatacaacc 420
 aaaattctac cticcatccta cccagaaatt attgatattt 459

<210> 733
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 733
 cctttactta ttcagtgaag gtgtctatatt agactaagag gtatttttagt ttcctgactc 60
 gggcatgttg agtaaagcta atttgccagt cctgggtggg ggcaaatcct cgagcttgat 120
 gtgtaggga gggagggggc ctgaataatc cctgaggagt agtagaatag cagatggaac 180
 actgagaagt tatttccttg aggatagatt tccacgatgg aaaggaaatg agaggttctg 240
 agaggcgggc tagtggttg tactatagca taacctgccg ttgctggtgt gtggcgatta 300
 gg 302

<210> 734
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 734
 ccatgaaagg acaagtatgg agatgaaagc tatcacactg agaatagtgg gatgtagata 60
 gaaagcacct gaattgtgct tctgaattaa ccaatccagg aactgcttta cctttggact 120
 ttttgttatg tgagatatct tttatatgtt tccatttgct ttgggtatat gtatattggt 180
 acttgtagcc aaaaagaaac ctctcttagt agaaacaaag ggagagttag gttattcaaa 240
 aattagtatg ggacaattga atatgccttt ttctgcggga gtaggtgggg agaaacttaa 300
 aggttactt gtaaaacaat aaagtactaa agaaaaaaa aaa 343

<210> 735
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 735
 gacaggggga gggagagcat ctggacaaat acctaagtga tgaggggcaa aactttttgt 60
 attattgttt gttttgtgtt cagttcaaag tcttaaccag ttttattgtc aaataaacta 120
 taaatgttat ggggagatc ttataaattt cctgggcaag agtgtatgca tacaaagttt 180
 tcacttttgt gaaatgtaat ttttctgttt ttgcaaaggg atgaggtgat tggaattgct 240
 ttgaccatgc tgcctttatt ctcaaactgg caaacttagc atgttaggtg tattaacctc 300
 atcagtcttg aagaacatgt ggctcatgag tataacactt ctgtagagga ctccctgaca 360
 aaagtgaaga attaacttct cctccagaac aagtgcattt cagaaggcag ctctgcattc 420
 taccttgctt gactggaatt gtctgaagct ttttctggcc tcttttctct agtcggccac 480
 ccctgaagtg ctgaggtcta agtggtttac ctctgtctga tagatgg 527

<210> 736
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 736
 ctgctgtgct acaacgtcgg tcagaaaatg aagagtttgt tgaagtggga agattggggc 60
 cttctgatta ttttggtgaa attgcactac tgatgaatcg tctctgtgct gccacagttg 120

09920300 033401

ttgctcgtgg ccccttgaag tgcgttaagc tggaccgacc tagatttgaa cgtgttcttg 180
 gcccatgctc agacatcctc aaacgaaaca tccagcagta caacagtttt gtgtcactgt 240
 ctgtctgaaa tctgcctcct gtgcctccct tttctcctct cccaatcca tgcttcactc 300
 atgcaaactg ctttattttc cctacttgca gcgccaagtg g 341

<210> 737
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 737
 aaaataaata aagaaaaatc ttgtttcctt tggcatcttt agaaaataaa ctacagcaat 60
 aaaaagaggt gattgtataa agacatgcgt aagcaaacat atggggaaaa aacagcaact 120
 tgtgttttagt atgtaataat atcagctata agagtttact gttaattagg aaagccttac 180
 aaatttttgg aagaaccttc acatctttaa cattacaata tatttaataa tgggttcttt 240
 attgcttcta gtatcaagat tattgagaag tcaaatgaag ttatgctgac gttatgattc 300
 aaaaattatc ttccaaacat ttaacgatta taatttaaga taaataaacac ttaaagaaaag 360
 caaacctttt ataatatgac tttcaatata cagccttact ttaattcagt ctgattccat 420
 tacatttttg ttatttttga ttggtcctaa aaattt 456

<210> 738
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 469
 <223> n = A,T,C or G

<400> 738
 aaacaaacag aagattgttt ttccacatag catggattct ggagatgggt ggctaattggt 60
 attggttcaa caactccacg gaggtagggg tcacgtcttg gatccttttg ccttaatctc 120
 agtgctcggt acttcatggt cccaagatgg ctgctgtatc cccaagaatc atgtctgcgt 180
 tcaaggaagg aggggtggag gaagaggaag ggccaaacta gctggaccog tcaccttcta 240
 tcagaaagta aaacctcgtc agaagtctgt ttctgctctc ctccctctgc atatcttcac 300
 ttagatgccc ttggcccagag ccagctacca ttgcacctct agctgcaaac aaagctaaga 360
 cagcagggaa cagaattgtc atggctgaat agaccaatcg tgttccatct actgagactg 420
 gcacactgcc tcttgcaata aaactgggat ccattacca agagagaang cagaattgtg 480
 t 481

<210> 739
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 739
 ccttgaaggg acctcagagc aaaggaagag acctgggtgt ggtgaggcat ccaggggcat 60
 ggaagggacc gggtgtgctg tgggaatcca ctggcccctc cttgggttaa aaagcacaac 120
 acatcataca tatttaccag accagaagcg ctggcccca a gtctccctaa cctggtcggg 180
 ggaacctcct gg 192

<210> 740
 <211> 456

<212> DNA

<213> Homo sapiens

<400> 740

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taggtgcctt attggtttat gacattgcta aacatctcac atatgaaaat gtagagcgat 60
ggctgaaaga actgagagat catgctgata gtaacattgt tatcatgctt gtgggcaata 120
agagtgatct acgtcatctc agggcagttc ctacagatga agcaagagct ttgcagaaa 180
agaatggttt gtcattcatt gaaacttcgg ccctagactc tacaatgta gaagctgctt 240
ttcagacaat ttttaacagag atttaccgca ttgtttctca gaagcaaagtg tcagacagac 300
gcgaaaatga catgtctcca agcaacaatg tggttcctat tcatgttcca ccaaccactg 360
aaaacaagcc aaaggtgcag tgctgtcaga acatctaagg catttctctt ctcccctaga 420
aggctgtgta tagtccattt cccaggtctg agatatt 456

```

<210> 741

<211> 315

<212> DNA

<213> Homo sapiens

<400> 741

```

ccagataagg ctgacttcag tgctgatgca agttcctttt tggtccttct ctggtagggc 60
aaggcaatat cctgtctctg tgcatgtctg cggttgggtca aaatgttgac aatggtgacc 120
tcatccacac ctttgggtctt gatggctgtt tcaatgttca aagcatcccg ctcagcatca 180
aagttagtagt aggttttgac agacccatat gcacttgggg gtgtagagtg atcaccctcc 240
aagctgagct tgcacaggat ttcgtgaaca gtagacattt tgaaggaagc tgggccgtgc 300
gccgagagct gagag 315

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<210> 742

<211> 147

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 108, 141

<223> n = A,T,C or G

<400> 742

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caagacctca ggcataagagt tcaagggcct tgcccacggg ttcagagcta gttcatattc 60
aaaagaaata aagaaaacag tgacttatcc cgctacccaa gcgtgtanag ccgcgcgctg 120
tactgcttcc gatatgtgcc ncagagc 147

```

<210> 743

<211> 330

<212> DNA

<213> Homo sapiens

<400> 743

```

ctgagagcat taagaaccaa atgactgtga aagaatggga gaaagtgttt gagatgagtc 60
aagataaaaa tctataccac aatctttgta ccagcctgtt ccctactata catggcaatg 120
atgaagtaaa acggggtgtc ctgctgatgc tctttgggtg cgttccaaag acaacaggag 180
aagggacctc tcttcagagg gacataaatg tttgcattgt tggtagacca agtacagcta 240
agagccaatt tctcaagcac gtggaggagt tcagccccag agctgtctac accagtggta 300
aagcgtccag tgctgctggc ttaacagcag 330

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09920360.073101

<400>	746					
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acatccaaat	gccagtgcag	gagttcactg	ggtttataaa	agagaaaact	aaactcaagt	120
gtcaataaaa	aactggagcc	gtcaagaatg	actgcttggtg	gcaacacagg	tgtaacatgt	180
gcttggtctaa	agtcgttctg	tgtttgtgga	tatgtggaaa	tgcatgacga	gggaaacgat	240
gcaaggcaaa	atgacagggtg	ctcaaaagctt	taagatcctt	ttcttcacnc	ttgtgtgctc	300
ttgttttgct	tttgagaatt	agggtaattc	gcaggtcatt	ttacaaagaa	ctgtaatatc	360
aaagaacact	tccaaacggc	taaaataggc	tcaaggtcac	tattaaagtg	ataaagggag	420
gtccgtgggg	gaaaagtgtg	tgttctcaaa	gccagatttc	acaccatggc	aggcactaaa	480
tctaqtta	tgtgcttgca	gtanaaaaaag				510

<210> 747
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 747
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 tgtagcagca gagcagacag ggcagtggga gaaccatgtg ggtaggaggg catcaggtct 120
 caagagcctc tcccctgctc aggactgggt ctagacaagg ccacgtgtga taggggtggta 180
 agccctgggc catatggagg agcctggggc ccatcttggg tctgctgctg agttgctggg 240
 tggctttagg caagtcacctt cttgtccctt ggtcactctg tttcctggct agcactgcc 300
 gcaagcctc ca 312

<210> 748
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 476
 <223> n = A,T,C or G

<400> 748
 ccaccacatc gaagaatgcc aatgcctccc tgggtgtactc ctccctgtat aagacaatag 60
 aggtattctg cgaatacttc aaggagctgg aggaggagag catccgggac aactttgtca 120
 tcgtctacga gttgctggac gagctcatgg actttggctt cccgcagacc accgacagca 180
 agatcctgca ggagtacatc actcagcaga gcaacaagct ggagacgggc aagtcacggg 240
 tgccacccac tgtcaccaac gctgtgtcct ggcgtccga gggatatcaag tataagaaga 300
 acgaggtctt cattgatgtc atagagtctg tcaacctgct ggtcaatgcc aacggcagcg 360
 tccttctgag cgaaatcgtc ggtaccatca agctcaaggt gtttctgtcg ggaatgccag 420
 agctgcggct gggcctcaat gaccgcgtgc tcttcgagct cactggccgc agcaangaac 480
 aaatcagtag agctggagga tg 502

<210> 749
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 749
 cctggagata aagtcacctc aattaaacca aacgctgggg aagaatctgt catgaatctt 60
 gacaaattga gatttgctga tggaaagcata agaacatcgg aactgcgact cagcatgcag 120
 aagtcaatgc aaaatcatgc tgccgtgttc cgtgtgggaa gcgtgttgca agaaggttgt 180
 gggaaaatca gcaagctcta tggagacctc aagcacctga agacgttcga ccgggggaatg 240
 gtctggaaca cggacctggt ggagacctg gagctgcaga acctgatgct gtgtgcgctg 300
 cagacctct acggagcaga ggcacggaag gagtacggg gcgcgcatgc cagggaagac 360
 tacaaggtgc ggattgatga gtacgattac tccaagccca tccaggggca acagaagaag 420
 ccctttgagg agca 434

<210> 750
 <211> 493
 <212> DNA
 <213> Homo sapiens

09520300.03404

<400> 750

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ccaagacagc taacaaggac cacttggtta cagcctataa ccatcttttt gaaactaagc 60
gttttaaggg tactgaaagt ataagtaaag tgtctgagca agtaaaaaat gtgaagctta 120
atgaagataa acccaaagaa accaagtctg aagagaccct ggatgagggg ccaccaaagt 180
atactaaatc tgttctaaaa aaggagagata aaaccaactt tcccaaaaag ggagatgttg 240
ttcactgctg gtatacagga aactacaag atgggactgt ttttgatact aatattcaaa 300
caagtgcaaa gaagaagaaa aatgccaagc ctttaagttt taaggtcgga gtaggcaaaag 360
ttatcagagg atgggatgaa gctctcttga ctatgagtaa aggagaaaaag gctcgactgg 420
agattgaacc agaattgggt tacggaaaag aaggacagcc tgatgccaaa attccaccaa 480
atgcaaaact cac 493

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<210> 751

<211> 454

<212> DNA

<213> Homo sapiens

<400> 751

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ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
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atagcggctg caccattggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctgtt atccctaggg taactcgttc cgttgggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcggagggt gggttctgct ccgaggctgc cccaaccgaa atttttaatg cagggttggg 360
agtttaggac ctgtgggttt gttagggtact gtttgcatta ataaattaaa gctccatagg 420
gtcttctcgt cttgctgtgt catgcccggc tctt 454

```

<210> 752

<211> 223

<212> DNA

<213> Homo sapiens

<400> 752

```

cctttcctac aggggtctgag aaggccaccg cagtcatttc ttcccttctg tcagacataa 60
ttcctcagtt tagccttccc acctctatac agtctgataa cagaccagcc ttcattagtc 120
aaatcagcca agcagttttt caggctctta gtattcagtg aaacctttat atcccttacg 180
gtcctccgtc ttcaagaaaa gtagaacgga ctaaaggctt ttt 223

```

<210> 753

<211> 422

<212> DNA

<213> Homo sapiens

<400> 753

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ctgcagccgc tgcagctact cctgctgtcc gcaccgttcc acagtataaa tatgctgcag 60
gagttcgcaa tctcagcaa catcttaatg cacagccaca agttacaatg caacagcctg 120
ctgttcattg acaaggctcag gaacctttga ctgcttccat gttggcatct gccctcctc 180
aagagcaaaa gcaaatgttg ggtgaacggc tgtttcctct tattcaagcc atgcacccta 240
ctcttgctgg taaaatcact ggcattgttg tggagattga taattcagaa ctcttctata 300
tgctcagtc tccagagtc ctcggttcta aggttgatga agctgtagct gtactacaag 360
cccaccaagc taaagaggct gccagaaaag cagttaacag tgccaccggg gttccaactg 420
tt 422

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<210> 754

<211> 502

T07E20"00E02650

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 496, 497
<223> n = A,T,C or G

<400> 754
ccatcttcg accccccaac accctctacg aaggcggcta cttcaaggcg catattaaat 60
ttcctattga ctaccctat tcaccaccta cttcagatt cttgaccaa atgtggcacc 120
ccaacattta tgagaatgga gatgtatgca tticgattct tcatccgct gtagatgacc 180
cacagagtgg agaactgcct tctgaaagg ggaatcctac tcagaatgtg aggactatcc 240
tattaagtgt aatctcactg cttaatgagc ccaacacctt ctcccagcc aatgtcgatg 300
cttcagttat gttcaggaaa tggagagaca gtaaaggaaa agacaaagaa tatgctgaaa 360
ttattaggaa acaagtttca gccactaagg ccgaagcaga aaaggatgga gtgaagggtcc 420
ccacaaccct ggcggaatac tgcatacaaaa ctaaaagtgc ctttcaatga caacagctca 480
gatttgcttt acgacnctt gt 502

<210> 755
<211> 322
<212> DNA
<213> Homo sapiens

<400> 755
ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60
atctccccct tctccttttg gctgggtcatc cagcaggtgt tcgacaatgg cagcatctac 120
aaccctgaag tgcttgatat cacagaggaa actctgcatt ctgcttctt ggaggggtgtc 180
cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctggttgcac agtaccatcc 240
tctatcatca acgggtacaa acgagtcctg gccttgtctg tggagacgga ttacaccttc 300
ccacttgctg aaaagggtcaa gg 322

<210> 756
<211> 268
<212> DNA
<213> Homo sapiens

<400> 756
aaagaaaaaa agtaaatacca ctttatgggtg gacttcagct atggacaaat ttgggatcag 60
tggtctccag tctgaacata gtcttctgtt acctgggaga gagtgggtcag gtactgccag 120
ctcagggcag ccaaaagcat gacaaatgac aggtagatgg gggagtagtg gcttcgggaa 180
atcagctgac agttgggaag attctgcgtc cggatgggtg agatgatctg ccttggtttt 240
ctagaagatg ggtctgagtc ggggattc 268

<210> 757
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 322, 354, 366
<223> n = A,T,C or G

09920300-073401

<400> 757
 cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatagt gttgaagtgt 60
 tggggcggca aaaatttttg ggggtggtat ggagagagaa tgggcgatgt ttctcagggc 120
 tgcttcaagc gggattaggg gcggcgtggg aacctagagt gggagagatt aagctgaatg 180
 gaagatcttg tggtaagggg tgatattgtg gggttgttag aagaaacatt tgcgtatag 240
 aatgattggt gatggcctgg atacggtttt gtatgaattg aaaaatggaa taagagaagg 300
 agagaaacag gtataaaagg tntaagaatt gggaggacct agacatctga ttanagagtg 360
 cctaangagg ttcagcatag tccttcacagc a 391

<210> 758
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 450
 <223> n = A,T,C or G

<400> 758
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 ttggcctttg cagtccccct gactttcttc attctgttct tgcgttcctt tcgttgcttt 120
 cttgaggtct ttttcttctc atacaggcca tgtcttgcaa gtctatgttt gggttcattt 180
 ttctttgcat aatccaggga atcataaatc atgccaaagc cagttgtctt gccaccacca 240
 aaatgagttc tgaatccaaa tacaagatg acatccgggt tggctcttgta cattttgggt 300
 agtttttccc gaatttctgt cttaggcact gtgcgccttc cgggggtgaag gacatcaatg 360
 accatttggt tcctctgaag tagtcgggtt gtcatgaact ttctagtgcg gatagttacg 420
 gtgtcgttca tgatggcgat ctatcttcan 450

<210> 759
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 759
 ccagccatct gggtttcagcc ggaagctaac accctcattc tgagtccagg ctagtgggtg 60
 gtggctgagg acccagttgg ttgaggagtc caactagaaa ccaggagagg tagcagaata 120
 attaaacccc tataggggtg gcaagggcct ctggccctgg gtggaatgtc ccatttcctt 180
 catcactgag tgggcttccc caaggcagaa aggtttgtcc cggagcaaga attttgtttg 240
 aatgcgtgta acttaaatta accttgtgga cctctgctca gctccgctcg gctctgcccg 300
 atgagctcca tccaggctcc gcttgccggg ggaaaagggt ccttagaagc cggcaatgag 360
 ctccatcccc acgcgggtgcc agtgtgcctt ccgctcacc ctcggagggg tgatgaagg 419

<210> 760
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 760
 ctgaggccga gcccaactag gtccctgggca cccctgcagg tgggagtggg ccttgtcctc 60
 ctggtatcca gcagacaccc cctctctccc accagcccca ttctcaggtc ctttcctctt 120
 tgtcaccaac accaagaatc tgtccagggt tcttggettta tcttttatct cttttcactc 180
 ctagagagga attgcaattg actcagaatg acacattttg gcaccacgtg tgtagaaagc 240
 cccactgtt agatgatagc ctctgtgaaat tcatgtttct gtattctcct atttcttttc 300

aaaaactaat ttttttttta gtgtaataaa tcctaagagg gaactgattt aagaaacaag 360
gcccgcaaac aaaggcagca gttccgactc cagcag 396

<210> 761
<211> 362
<212> DNA
<213> Homo sapiens

<400> 761
ctggtgccca ttgctgttgt tcttgatgcc agcagctatt ttacagaagc agtccaggaa 60
gactttatca tcaccactgt gatcttcac atatttatca aagttgcagt atggtttgaa 120
tcgctccacc aagatctgca ttttctccac ctctccaaag gaaaggtacg ggatgatgcg 180
aagcaggccc tggagcacac tggggttggg gcgaacaaag gtgctgttga tctggtccaa 240
gagcatcacc agttgatcct tgtcacctgt caggaggagg ttgcccttgt cctcactcag 300
gggctcagca ttggactcat ctagaatgat ctccatgatg ctaagcacct gctcagccac 360
ag 362

<210> 762
<211> 439
<212> DNA
<213> Homo sapiens

<400> 762
ctgaccagca ccatggcggg tggcaagaac aagcgcctta cgaaaggcgg caaaaaggga 60
gccaagaaga aagtgggtga tccattttct aagaaagatt ggtatgatgt gaaagcacct 120
gctatgttca atataagaaa tattggaaag acgctcgtca ccaggaccca aggaacccaa 180
attgcatctg atggtctcaa gggctcgtgtg tttgaagtga gtcttgctga tttgcagaat 240
gatgaagttg catttagaaa attcaagctg attactgaag atgttcaggg taaaaactgc 300
ctgactaact tccatggcat ggatcttacc cgtgacaaaa tgtgttccat ggtcaaaaaa 360
tggcagacaa tgattgaagc tcacgttgat gtcaagacta ccgatgggta cttgcttcgt 420
ctgttctgtg ttggtttta 439

<210> 763
<211> 449
<212> DNA
<213> Homo sapiens

<400> 763
cctcggagga gagcgccctc aaccacctcc agaaccggg cgacgcggcc gagggccggg 60
cggccaagag gtgcgagaag gccgaggaga aggccaagga gattgcgaag atggcagaga 120
tgctggtgga gctggtccgg cggatagaga agagcgagtc gtcgtgagcg cggtcggcgg 180
tttccagcca atggattctg gtcaactggg ggagattggc tgacaccctg gagaagccga 240
aaccagagag ccttttgttt tctctttttt cctgtctatg ctctgtctca cttaacacta 300
cgttttctgc tatggtctgt gggtgatgac ctcaatatga gtttcgattg ttaacgtgtt 360
tttgtttggg aagtaatttt gtttgaaaa gctctcacat acaggaatta gggcctagat 420
tgtaagctct tgcagcagtc acatttggt 449

<210> 764
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

09920300.073104

<222> 431, 455

<223> n = A,T,C or G

<400> 764

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tgggattaca ggcaggagcc accgtgcccg gccgaatctt attcttactg gttactgtag 120
aataatttca gtctgtgccc ttatgattct gaatccaatt atataaagga aaataacttt 180
tcatgtgaat gtaaaatgtt tacacacata agtaagacag ttacaagac aaactgggtct 240
acacagacaa aggtctatat taaagttcaa tctggaccct agaattcttg tcatgggcct 300
cttgtgaaga gtctgcccta ctcaggaatg ggcacatggg ttaacaattt tcaattattt 360
actgagggag tggagtatag atgtagggag gtgaaattac cattcctggg aataaatgta 420
ggattttaat ngaatgatag aattttattgt acaantcaca ttggtgagtc ttattcaggt 480
attaggctta actatttaga 500
```

<210> 765

<211> 363

<212> DNA

<213> Homo sapiens

<400> 765

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ctggcttcac tgctcagggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgag gtgggtgtca 300
tcaaagcagt ggacaagaag gctgctggag ctggcaagggt caccaagtct gccagaaaag 360
ctc 363
```

<210> 766

<211> 295

<212> DNA

<213> Homo sapiens

<400> 766

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gtgcaaccga gagacaacat tagattagct gtgcactttg caagaagagg ggaagaggac 60
aatacgttca tcttgagagc tgcttctgag aacctcaggg aagaagtcta gaaccctgat 120
ctacataaag tgacagatga cggactcgtt gtggaggact cctgaagtag tgtccctgat 180
tagaatgctg atttcttccc caaagggtgat gtgggcacag aactgagctg tgtgaatggg 240
aggccaaata agctctgctg aatttgctct ggcagcccaa gtccttaagg tgagg 295
```

<210> 767

<211> 210

<212> DNA

<213> Homo sapiens

<400> 767

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ctggttatcc gagaagttcc gaggattctc cttggatttc ttagggaacc agttgggatac 60
cccagagaag agcccatcat ctggggctac tgccagccca cccagattca tcagcgtccg 120
ctgcacacag gccatgttct ttcttcccca gaggtccaca gtttggaaga tgtcagtggt 180
gttaatgcc a tagcgtcag acctgcccgg 210
```

<210> 768

<211> 460

<212> DNA

05920300-073404

<213> Homo sapiens

<400> 768

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ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
ggcattaggg ataatatcca tttagccttc tgagctttct ggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctt tcagctcagc aaacttgcat 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tggttcagga taatcacctg agcagtgaag ccagacctgc 460
```

<210> 769

<211> 251

<212> DNA

<213> Homo sapiens

<400> 769

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ccaattgatt tgatggtaag ggaggggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc atgaaagggtg 240
ataagctctt c 251
```

<210> 770

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 478

<223> n = A,T,C or G

<400> 770

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cacgccgccg cttgtgctgc agccatgtct ctagtgatcc ctgaaaagtt ccagcatatt 60
ttgcgagtac tcaacaccaa catcgatggg cggcggaata tagcctttgc catcactgcc 120
attaaggggtg tgggccgaag atatgtcat gtggtgttga ggaaagcaga cattgacctc 180
accaagaggg cgggagaact cactgaggat gaggtggaac gtgtgatcac cattatgcag 240
aatccacgcc agtacaagat ccagactgg ttcttgaaca gacagaagga tgtaaaggat 300
ggaaaataca gccaggctct agccaatggg ctggacaaca agctccgtga agacctggag 360
cgactgaaga agattcgggc ccatagaggg cctgcgtcac ttctggggcc ttcgtgtccg 420
aggccagcac accaagacca ctggccgccg tggccgcacc gtgggtgtgt ccaagaanaa 480
ataagtctgt agg 493
```

<210> 771

<211> 552

<212> DNA

<213> Homo sapiens

<400> 771

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aaatatgaat ggcaaatttt ggttttttagc ttttacattt tattatctta attttataaa 60
tgctaataatt tcttttgtga taagttatag catctcataa agtttgttct atttgaagtt 120
tttttagagta cttgagaaat gaatttagtc tgcaggtagt aagtatgcta ctaaaatacg 180
```

```

ttagatctaa atccttttat ttggtataaa aatgcaatat tgagaatcaa aacttgtttt 240
taagagaact atagattcta cacaacctga tttcaagtaa ttattcatag tatttatagt 300
tgtcttgga aagtgattgt aaaattctgt aggacctatt cacacttctt ccttcttcca 360
tatacttctc tggttttccc catagttccc ctataatttc aagtttggtg aaacctgtta 420
attttagtgg gggattagaa gaaaaacttg gtggtttctt agcatgatgg tgtatgtatg 480
tggtaatgga aagtctgtaa aagtaaatat agtgtagcaa aaaagatttc actgagtatt 540
ttagatacta gt 552

```

```

<210> 772
<211> 487
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 444, 486
<223> n = A,T,C or G

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```

<400> 772
aaaatttcat cataggaatt tgggtgacct ttgactca gtattaaaaa aaaccatcaa 60
gttgctcttt ggaacagtag catttaggtt tgtttttttt tttttgtcac acttgtttat 120
ttctttggga tgttgctgtg tgtcatggaa gaaacgctcc cctgaaaact gtaaccaaac 180
aaagtttggt taaaacaaag ttggttcctt tgttttcatg gaaatgtcag acaactatga 240
aaagctaagg aagcatgttg aactgaaggt ctggcttttg taaattaggc agagatgttc 300
tcagcagcaa acaggtaaaa tctgacatcg agaagcatta ttttaatgta ggaccagtta 360
taatcttaaa gaactgacta gggttctaaa taatagaact gagaaatagg actgagaaat 420
gaccaacatc aagtataata cggnacactt agcacttggt tctatagaaa acatttcaaa 480
tcaagnt 487

```

```

<210> 773
<211> 490
<212> DNA
<213> Homo sapiens

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<400> 773
ctgcttccat tgggtgggtca tttttgctgt caccagcaac gttgccacga cgaacatcct 60
tgacagacac attcttgaca ttgaagccca cattgtcccc aggaagagct tcaactcaaag 120
cttcatgggt catttcgaca gattttactt ccgttgtaac gttgactgga gcaaagggtga 180
ccaccatacc gggtttgaga acaccagtct ccactcggcc aacaggaaca gtgccaatac 240
caccaatttt gtagacatcc tggagaggca ggcgcaaggg cttgtcagtt ggacgagttg 300
gtggtaggat gcagtccaga gcctcaagca gcgtgggtcc actggcattg ccatccttac 360
gggtgacttt ccatcccttg aaccaaggca tgttagcact tggctccagc atgttggtcac 420
cattccaacc agaaattggc acaaattgcta ctgtgtcggg gttgtagcca attttcttaa 480
tgtaagtgt 490

```

```

<210> 774
<211> 476
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 422
<223> n = A,T,C or G

```

<400> 774

```

ccactagagg tctgtgtgcc attgccagg cagagtctct gcgttacaaa ctcctaggag 60
ggcttgctgt gcggagggcc tgctatggtg tgctgcggtt catcatggag agtggggcca 120
aaggctgcga ggttgtggtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
ttgtggatgg cctgatgac cacagcggag accctgttaa ctactacgtt gacactgctg 240
tgcgccacgt gttgctcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
ggggcccaac tggtaagatt ggccctaaga agcccctgcc tgaccacgtg agcattgtgg 360
aacccaaaga tgagatactg cccaccaccc ccatctcaga acagaagggt gggaagccag 420
anccgcctgc catgccccag ccagtcccca cagcataaca ggggtctcctt tggcag 476

```

<210> 775

<211> 419

<212> DNA

<213> Homo sapiens

<400> 775

```

ccagcttctt gaccagtttt ttattcttgt tgagtttttt cagcgcctcg atgtccatgt 60
gggggatatc cagggcctta gcctcgtcac agtgctgctg gtccccagg acacacacag 120
agaacttagg gcggggagtg gacttaagcc tgacggtgcc cgagaagcgc ttgtccttct 180
ggggatcata gttcttcaag ctgatctgca actccaccgt ctccaggaaac ttgcggcgct 240
tgcgccttta gtgatgatga ttaaagggtg tggctgtggc cttgaaaata gtcatgtgaa 300
aactcatcac cttaagggtg taagtgtaa gatcttcacg atgaaatttc tgtaaattgt 360
gcagtcagcc tcagtttcca aagccggaaa aggatcctct agtagccacg gtgtggcag 419

```

<210> 776

<211> 400

<212> DNA

<213> Homo sapiens

<400> 776

```

ccacagacgt cattcgctgg actccctggg cactaaatga gtgtctagca tccttaaggc 60
tgctcaacac acagccccag actctgaata tgattccaag aaatattctg aaaaaagtc 120
catcgctgga ataaacagtt tcccaagata actgctttga aaaccagtcc cgtttagtttc 180
taaaagccca cctacggcac ctctcttcca tcagagtctg ctgcccgggt gggctgggaa 240
ggaggagat acaaagaaga aagtaggcat gatcactggg tcggttccca agccaccctc 300
accctccaag aaggcatgaa tggacaacc ccgagaacag agcacgtgtg aagaaccaac 360
acgacaggca cgggatggca gcaactggtg aaggagggca 400

```

<210> 777

<211> 398

<212> DNA

<213> Homo sapiens

<400> 777

```

ccaaaggggt ctctagctgc tgctctgctg ctccctgctca tggatgagtt tggcgatggg 60
gccggtgatg ccgcctatca aggtccagta ctcatcgaag ctgatgcgcc catcatgatt 120
ggcatccagg ttctggatga gcttatccgc agccttccgg ttccctgtgt ccgacagcat 180
gtggttcagc tctttctgga gcatctcgcg gaagctgctc ttgctgatct tgttcttgac 240
caggctgtac ttagacacat atttgtagaa gttttccacc aggacaatga ctgccttctc 300
cagctccgtg tagcagtctg acatctccct gcttcgcctg ctggcggggc ctgctgcctc 360
agtctgcctc ctctccagca gggctctggg gcctgggc 398

```

<210> 778

09920300.073101

<211> 462
 <212> DNA
 <213> Homo sapiens

<400> 778
 atcgccatca tgaacgacac cgtaactatc cgcactagaa agtccatgac caaccgacta 60
 cttcagagga aacaaatggt cattgatgtc cttcaccocg ggaaggcgac agtgcctaag 120
 acagaaattc gggaaaaact agccaaaatg tacaagacca caccggatgt catctttgta 180
 tttggattca gaactcattt tgggtggtggc aagacaactg gctttggcat gatttatgat 240
 tccctggatt atgcaaagaa aaatgaaccc aaacatagac ttgcaagaca tggcctgtat 300
 gagaagaaaa agacctcaag aaagcaacga aaggaacgca agaacagaat gaagaaagtc 360
 agggggactg caaaggccaa tgttggtgct ggcaaaaaga agtgagctgg agattggatc 420
 acagccgaag gagtaaaggt gctgcaatga tgtagctgt gg 462

<210> 779
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 779
 ctgacaagcc cttgcgcctg cctctccagg atgtctacaa aattggtggt attggtactg 60
 ttctgttg cagagtggag actggtgttc tcaaacccgg tatggtggc acctttgctc 120
 cagtcaacgt tacaacggaa gtaaaatctg tcgaaatgca ccatgaagct ttgagtgaag 180
 ctcttcctgg ggacaatgtg ggcttcaatg tcaagaatgt gtctgtcaag gatgttcgctc 240
 atggcaacgt tgctggtgac agcaaaaatg acccaccaat ggaagcag 288

<210> 780
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 400
 <223> n = A,T,C or G

<400> 780
 gggcaacaag agcaaaactt cgtctcaaaa aaagaaaact ggctagaatg cacttcaact 60
 taagtcctgg gagctacgct aattcatgga gaaccacaga gggttaatag gcatttctat 120
 acctggatca gcccgaagga cagtattacc ctgtactgcc ctctctatta ctattttcag 180
 tcattttacta atattgggct gtagtacttt cacgttttaag ctttggctat tcagagctca 240
 ctacgtttta tcttcagtta cctgaatggg gtttaccttc tgggtgtggat catcccggt 300
 tgtgttagtg ctctctcttt ggaagaagcc aggatttaag atcgagttag cctagatgtg 360
 gccagcagg gtacagaagg ggaagggctg cagaaaaccn ggcgtatatt cgtgcaaaga 420
 ggtttttgcg ccattttatt atggttttca ccgtcgtatg agaggaccag 470

<210> 781
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 99

09920300.03404

<223> n = A,T,C or G

<400> 781

```

aatcaataa gtaatctagg actagcatta tgtttgctag acctggcatt tgctcggtac 60
ataaggttca aagtttcctt tccttttttt atttatttna tattttgcaa tgtttttttt 120
ccataatatt taagtttttc gatgtttaga tatttttctt cggatgaagca caagtttctt 180
ttcatgggtcc ctgatcaatt ttaaaccagt ggaacaccgg tggcactgtt aactgctttc 240
tgggcagcct ctttagcttg gtgggcttgt agtacagcta cagcttcatc aaccttagaa 300
cggagtgact ctggagactc gagcatatga agaagttctg aattatcaat ctccaacaac 360
atgccagtga ttttaccagc aagagtaggg tgcatggctt gaataagagg aaacagccgt 420
tcacccaaca tttgcttttg ctcttgagga ggggcagatg ccaacatgga agcagtcaaa 480
ggttcctgac ctgttacatg aacagcaggc tgttgcattg 520

```

<210> 782

<211> 437

<212> DNA

<213> Homo sapiens

<400> 782

```

caggctcga tacctgcaac acttatgcta ccgcaatgac aaggtgaaga ctgacgtgcg 60
gaagctcaag ggcattccag tactggtggg attggttagac catcccaaaa aggaagtga 120
ccttgaggcc tgtggagctc tcaagaatat ctcttttgga cgtgaccagg ataacaagat 180
tgccataaaa aactgtgatg gtgtgcctgc ccttgtgcga ttgcttcgaa aggctcgtga 240
tatggacctt actgaagtta ttaccggaac cctgtggaat ctttcatccc atgactcaat 300
caaaatggag attgtggacc atgcactgca tgccttgaca gatgaagtga tcattcctca 360
ttctgggttg gagcggaac ctaatgaaga ctgtaaacca cgccatattg agtgggaatc 420
ggtgctcacc aacacag 437

```

<210> 783

<211> 492

<212> DNA

<213> Homo sapiens

<400> 783

```

aaaagttgag gagtttatta gggaaatatg agaggcatag aactccaag tgacagaaag 60
aaaagtctga aaatgtccct tcaagccaag tgggggcctg gccttgacct ctccaaatca 120
acaagaaact ggtgggttag caacaacatt ctctggcagc cacattgcca gggcatgagt 180
gtcttgacca ggactgcccc gcaacttcca ccaaggtgg ggaggagaca aagactgttc 240
acagaagcag tgcaaaggca atgagaactt taaggaaagt ttgagagaga gagaaagaaa 300
gatagaggtg aggaggacct tcacaaagag tccaggctt ttggctgtga atgtctcaaa 360
tacattgaca agtagatgta taaaatgtta ctgaaaaggt aaaatgccta acgtcgtttc 420
caacggttcc tctgaacttc ttccacata ccacaccaca cccagatgg cagagcccaa 480
aggccacact tt 492

```

<210> 784

<211> 516

<212> DNA

<213> Homo sapiens

<400> 784

```

ccaaaagaag taagacagct tgctgaagat ttctgaaag actatattca tataaacatt 60
ggtgcacttg aactgagtgc aaaccacaac attcttcaga ttgtggatgt gtgtcatgac 120
gtagaaaagg atgaaaaact tattcgtcta atggaagaga tcatgagtga gaaggagaat 180
aaaaccattg tttttgtgga aacccaaaaga agatgtgatg agcttaccag aaaaatgagg 240

```

09920300-073404

agagatgggt ggctgccat gggatatccat ggtgacaaga gtcaacaaga gcgtgactgg 300
 gttctaaatg aattcaaaca tggaaaagct cctattctga ttgctacaga tgtggcctcc 360
 agagggctag atgtggaaga tgtgaaattt gtcacatcaatt atgactaccc taactcctca 420
 gaggattata ttcacgaat tggagaact gctcgagta ccaaaacagg cacagcatac 480
 actttcttta cacctaataa cataaagcaa gtgagc 516

<210> 785
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 785
 ccacaaacac ctctcggcgg ccaggctggt tcagtcgacc acggcacact tccccaaatt 60
 cccagctcc gatcacctcc tcgatcttga cgcaggacac gtcgatctcc ttggcaaact 120
 cccgaacagc ctcattaggg tcctcgtagg taaaagggtc aatataaacc ttcattccag 180
 gagcaactgg agggagaaga ggtgggcgtg agagggtaac gtcaagccag cctctccctg 240
 cgatgggcac agctccagca ggctccctgc tgagcccagc cccatattcc tctgtgttgc 300
 tgccctaata ctccagctcc catgagaact cctggtgacc ataaaggcta gacacctagg 360
 atttactcc tagtttttct ctctcatctc tcatcacatc cagacctctc tcagattcat 420
 gcctcccctg gtcccactg ccccgacctt gtccagg 457

<210> 786
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 786
 aaaatgagcc gggcgcggtg actcacgcct gtaatccag cactttggga ggccaaagca 60
 ggcggatcat gaggtcagga gatcaagacc atcctggcta acacggtgaa acccgtctc 120
 tactaaaaat acaaaaaatt agccgggtgt ggtggcgggc acctgtagtc ccagctactc 180
 gggaggctga ggcaggagaa tggcgtgaag ccgggaggtg gagcttgcag tgagccgaga 240
 tcacaccact gcactccagc ctggacaaca aagcaagact ctcaaaaaag aaaaaaattt 300
 tttttt 306

<210> 787
 <211> 480
 <212> DNA
 <213> Homo sapiens

<400> 787
 ctgctgcttc agcgaagggt ttctggcata accaatgata aggctgcca agactgttcc 60
 aataccagca ccagaaccag ccactcctac tgttgacga cctgcacca taaatttggc 120
 agcagtatca atgtctctgc tgattgcaact ggtctgaaac tccctttgga ttagctgaga 180
 cacaccattc tgggccccat taaataccgt agagccctct ccagtcctac tagcctctgg 240
 tcgagataac actgatgcag aaattggtct gtatgcaact ctggatccag ctcgatcag 300
 agctgctcct gctgctgctg cagccccagc taagggttgaa gccaaggag agtcggagga 360
 gtcggacgag gatatgggat ttggtctctt tgactaatca ccaaaaagca accaacttag 420
 ccagttttat ttgcaaaaca aggaaataaa ggcttacttc tttaaaaaaa aaaaaaaaaa 480

<210> 788
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 788

```

ccttcttttg ctcacactag tatgataatc atgggttctg ttttagttga tgagaagtgg 60
ctcctatgaa tgcctctgct caatttcttt ttattttact ttattttatt tttaggggtc 120
tcgccaactc ctgggtctca gtgattctcc tgcctccacc tccccacagt gctgggatta 180
caggcatgag ccaccacgcc tggctctctg ttcttttcag tgtctccgtg ccatcagtca 240
gcagtgttta catgttttagc atattgtcat gcagtttctc ttctgttccc acgagatatt 300
tttgacaaa aaattgacaa aagtacatgt gtttttcccc acctatccct tagaaaacct 360
aatgtgtact gctattttt                                     379

```

<210> 789

<211> 262

<212> DNA

<213> Homo sapiens

<400> 789

```

ccaaaaaaat taaacaaaat ctcttggttt cctttacagt ttcttttttt gcgtttttatt 60
tttttcaaat tgcattttac agtagaaatg cagaccactt tggatagcta tggctcgata 120
cttctgggtg cctcctcct aagacatcct cttcttacat tccactgaac agaaaacctat 180
cccttctact ggcatagaact tctgccaat gaggcatttg ctgcagcaag agcacagaaa 240
gcactctgtg gatgcatgcc ag                                     262

```

<210> 790

<211> 365

<212> DNA

<213> Homo sapiens

<400> 790

```

cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaat 120
cttcttcagt cgctccaggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
gctgtatttt ccatccttta catccttctg tctgttcaag aaccagtctg ggccttgta 240
ctggcgtgga ttctgcataa tgggtgacac acgttccacc tcatcctcag tgagtcttcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcgggc 360
cacac                                     365

```

<210> 791

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 287

<223> n = A,T,C or G

<400> 791

```

ttggtgctcc cctctgatg agaaaagggt tactgttgca ggtgctaagg aaggctgctc 60
ttctgtcact ctgaagttgc ttggagggat gtcccatgc agactctctc ccagccctcc 120
actcagggaa ggtctgtctg taccactgc cctctatagc agaaaacttg cactcctgaa 180
tgcttttttt ttttttttt tcaagaaaga agtggctgtg gactcaacta gattcttggg 240
ttgaaaaagc caaacatat tggctactga ttgtcacatt ggggttanaaa tgtccattca 300
tgatctccct taagctgcac acaaccctat gaaataacta ccattatcta ccctattttg 360
ctaaagctca aagagattaa ataatgttga cagggatcct agccttgaac tcaactgaagg 420

```

09920300.073101

tgтта

425

<210> 792

<211> 427

<212> DNA

<213> Homo sapiens

<400> 792

```

gtctttacaa aattcctgac aggtgggttac tgaatctctc tatgaacttt ccattcaaaa 60
ctttccaagt ttttccttat gtggaaccga aatctttctt tctcccgta aactttacta 120
ctatcagata attgaagaca gatctctttg tattctcttc aagcccaaac caattctggt 180
ccttcaatct aaatagtggg aatatgaatg ttttaagaaat gaaataagaa acatgtgcag 240
gcactttgga aggtgctaag tgactgccct aaggaatgaa aagcaagggc caggtgggag 300
tagccagcgc aaggcacttg ggctgccagg aacaggaggc gtgggaaact ctggcttagg 360
aaaacatgaa cacaggggca acagaggcaa actgttggtc gagttaata taaatctcag 420
gctctttt                                     427

```

<210> 793

<211> 253

<212> DNA

<213> Homo sapiens

<400> 793

```

aaatccacta gccatgctca aaaaaaata ttcttcatgt ttttaatttta tacaatggct 60
agcaggcacc ttagtaacca gccagaaatc aatttcaacc accatcaacc cctaaactac 120
agtaccagga tggctggcta aagaaaggaa acggactggc tgcagtctga cgcgtgccca 180
gtacaagggtg tctggctgac ttigtcttaa ataaggctaa cattagttaa ctaagaacag 240
cgtcacgtgg tgg                                     253

```

<210> 794

<211> 373

<212> DNA

<213> Homo sapiens

<400> 794

```

gtccctatga attgtacgtt tcagagaaat ttttttctct atgtgcaaca cgaagcttcc 60
agaaccataa aatatcccggt cgataaggaa agaaaatgtc gttgttggtg tttttctgga 120
aactgcttga aatcttgctg tactatagag ctcaagaaga cacagcccggt cctcccctgc 180
ctgcctgatt ccatggctgt tgtgctgatt ccaatgcttt cacgttggtt cctggcggtg 240
gaactgctct cctttgcagc cccatttccc aagctctggt caagttaaac ttatgtaagc 300
tttccgtggc atgcggggcg cgcacccacg tccccgctgc gtaagactct gtatttggat 360
gccaatccac agg                                     373

```

<210> 795

<211> 442

<212> DNA

<213> Homo sapiens

<400> 795

```

aaaagtagtt agcatttaat gaaactccct ccatgtgggt tcaagccacc aggacacagg 60
ccccccaac actcttaatc ttctctcag ctcttctgct gaagaatttg gccttcacga 120
tgacaggctg ctttgggagc tttccctttc ccagaacttt atagtagccc gatcgacca 180
catcaatgat gggagcagcc ccagtcttgt ttttagcagc attcaccggt gtctgttcac 240
tgaccaaagt ccacaatttg tcaaggttga cagttgggca gaagctctgg ttctctctta 300

```

0990300-073104

```

agtggtaatg cttcatacca actttcccaa agtagcctgg gtggatattg tcgaagttga 360
tccgggtggg atgcagacca ccagcattac cgcggccgcc ggggtgcttc cggtgcttgc 420
ctatgcggcc gtggccgtgg ct 442

```

```

<210> 796
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 316
<223> n = A,T,C or G

```

```

<400> 796
ccttgagctt gggccgggca ctgaggcgcc ccacatatgc tgagagcagg gggaacgcat 60
ccaggcagcc aggggctagg acctcatgga tcagcagcaa gtccagcagg ttgtagtcag 120
cgaaggagat ctggtctccc acaatgaagg tcttgccctc ctggttctgg gacagcaggg 180
tctcaaaaagg cttcagttgc ccgggcagtg ccttcacata gtcattcttg cccgcctcat 240
agttggtgta gatgaggagg atgtatttgc agcggaggtc ctccacgccg tcattcacca 300
tgtccaccag ggctgnctcc tgctggtcct tcccatagag cccaagggtg cggcccag 358

```

```

<210> 797
<211> 83
<212> DNA
<213> Homo sapiens

```

```

<400> 797
aaaattaaaa ttaaattccc tccctccagc acacaaaaaa aaaaaacaca caacattaga 60
ggaatgccaa aaatattctc tat 83

```

```

<210> 798
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 798
cggaaaatag cctttgccat cactgccatt aagggtgtgg gccgaagata tgctcatgtg 60
gtgttgagga aagcagacat tgacctcacc aagagggtgg gagaactcac tgaggatgag 120
gtggaacgtg tgatcaccat tatgcagaat ccacgccagt acaagatccc agactgggtc 180
ttgaacagac agaaggatgt aaaggatgga aaatacagcc aggtccttagc caatgggtctg 240
gacaacaagc tccgtgaaga cctggagcga ctgaagaaga ttcggggcca tagagggtctg 300
cgtcacttct ggggccttcg tgtccgaggc cagcacacca agaccactgg ccgccgtggc 360
cgcaccgtgg gtgtgtccaa gaagaaataa gtctgtagg 399

```

```

<210> 799
<211> 67
<212> DNA
<213> Homo sapiens

```

```

<400> 799
cctcccaagc ccagggtggac aagtcagact atgacatggt ggattatctg aatgagctaa 60
gggaaag 67

```

09920300.073101

<210> 800
 <211> 456
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> 426, 427, 454, 456
 <223> n = A,T,C or G

<400> 800
 cctacacgat ttactgccaa aacagagtgg agtacgagaa aagggtccga gcacaagcca 60
 agaagtttgc gccctcataa gcagcgacct tgtggcatcg tcaaaaggaa gggattgggt 120
 tggcaagaac ttgtttacaa catttttgca aatctaaagt tgctccatac aatgactagt 180
 cacctggggg ggttgggcgg gcgccatctt ccattgccgc cgcgggtgtg cgggtctcgat 240
 tcgctgaatt gcccgtttcc atacagggtc tcttcccttcg gtcttttgta tttttgattg 300
 ttatgtaaaa ctgcgttttta ttttaattatt gatgtcagta tttcaactgc tgtaaaatta 360
 taaactttta tacttgggta agtccccag gggcgagttc ctgcgtctgg gatgcaggca 420
 tgcttnntca ccgtgcagag ctgcacttgg cctnan 456

<210> 801
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 801
 ctggagacac tttagaactc tttcccatc ctccaccata gtgcaaacctt cacgcttctc 60
 tgagcacctc caaggtatgc ccttgaagtg aaacagaaaaa gggaagaaag ggggcttttt 120
 cttttccatt tctgaccaa cagaggtctg aaat 154

<210> 802
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 802
 ccattaaaag ttattttacaa cagtgggaga aaaaaagaca agaagttggtt tcacattaca 60
 gacctcccc caccocaaag cctaatactt gcttaccaag tcaaaaaaga gacacagttg 120
 attcacaggc tggaggtttg aacttgagta agacatttat aaaaacctag acggggcagt 180
 gtcctcccca gccaggtgc cactaggcac agcacaagag actaaaaaca acaggggaag 240
 gctggacact caaggttttg gagtataagc accccacttc tgggtcaggg atttggggag 300
 tagggtaaac aaaacctact tggaaaagaa ttgggggaaga aaaccaacaa ctgccttatg 360
 caggggtggg gacagggag gaggtagggc cagggacagg agcatttcac atcactaacc 420
 taacttggga agctgtaagg gaccat 446

<210> 803
 <211> 573
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 514
 <223> n = A,T,C or G

09920300 "073101

<400> 803

```

ccacacagac tcaccaagcc acagacttgt cttccacaag cacgttctta ccttagccac 60
gaagtgacca agccacacgt actaaagggt gaactcaaag atatgtacag ggtattaaac 120
aaataccaag gggaacagtt aacttcaata caagggtcaaa atcagcaaca agttctacaa 180
tccagtgtcg atatcagata cgagcttcaa ggacaatttc ttttcgaagg cttattccag 240
tttcgtgagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta 300
acccatgcag caaatgctac gcatctgctg agtccgttta gaagcatttg cgggtggacga 360
tggagggggc cgactcgctg tactcctgct tgctaatacca catctgctgg aagggtggaca 420
gtgaggccag gatggagcca ccgatccaca ccgagtactt gcgctctggg ggtgcgatga 480
tcttgatctt catggtgctg ggcgccaggg cggngatctc cttctgcata ctgtcagcaa 540
tgcccggata catggtggtg ccgccagaca gca 573

```

<210> 804

<211> 359

<212> DNA

<213> Homo sapiens

<400> 804

```

ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccattggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctgtt atccctaggg taacttggtc cgttgggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcggagggtt ggggttctgct ccgagggtcg cccaaccgaa atttttaatg cagggttgg 359

```

<210> 805

<211> 410

<212> DNA

<213> Homo sapiens

<400> 805

```

aaaatgttca tgtagaaaat taatgaacta taggaatagc tctaggagaa caaatgtgct 60
ttctgtaaaa aggagaccca gggatgtaat gtttttaatg tttcagaagc ctaacttttt 120
acacagtggg tacatttcac atttcaacta tggtgatatt tggctgatgg ttgagcagtt 180
tctgaaatac acatttagtg tatggaaata caagacagct aaagggctgt ttgggttagca 240
tctcatcttg cattctgac aattggcaag aaaggagat ttcaaaatta tatttcttga 300
tggtatcttt tcaattaatg tatctgtaaa agtttctttg taaatactat gtgttctggt 360
gtgtcttaaa attccaaaca aaatgatccc tgcatttcct gaagatgttt 410

```

<210> 806

<211> 522

<212> DNA

<213> Homo sapiens

<400> 806

```

cctgctgggc ttggcaacga gggactcggc ctcggaggcg acccagacca cacagacact 60
gggtcaagga gtaagcagag gataaacaac tggaaggaga gcaagcaca agtcatcatg 120
gcttttagcg ctgctcgtgg aaaccaagat aaagatgcc attttccacc accaagcaag 180
cagagcctgt tgttttgtcc aaaatcaaaa ctgcacatcc acagagcaga gatctcaaag 240
attatgcgag aatgtcagga agaaagtttc tggaagagag ctctgccttt ttctcttgta 300
agcatgcttg taccacaggg actagtctac caagggtatt tggcagctaa ttctagattt 360
ggatcattgc ccaaagttgc acttgctggt ctcttgggat ttggccttgg aaaggatatca 420
tacataggag tatgccagag taaattccat ttttttgaag atcagctccg tggggctggt 480

```

0920300 03104

tttgggtccac agcataacag gcactgcctc cttacctgtg ag

522

<210> 807
<211> 327
<212> DNA
<213> Homo sapiens

<400> 807
ctgctgccct tagagcttgt ggacaaatgt ataggatcaa gaattcacat cgtgatgaag 60
agtgataagg aaattgttgg tactcttcta ggatttgatg actttgtcaa tatgggtactg 120
gaagatgtca ctgagtttga aatcacacca gaaggaagaa ggattactaa attagatcag 180
atatttgctaa atggaaataa tataacaatg ctggttcctg gaggagaagg acctgaagtg 240
tgaatgagtt tccttgactt aactagatt ttgttttggc ttataatgac aagaaaatgg 300
aatttttttt cccactttct aatgttt 327

<210> 808
<211> 188
<212> DNA
<213> Homo sapiens

<400> 808
cgagcggccg cccggcaggt ccttatccct gtaagtctat taaatgtaa taatacatat 60
tttacaactt ctcttagtgc gcccttggca gattaaatct ttgcaaaatt ccataatgtgc 120
tattgaaaaa tgaaataaaa cctcagatgt ctgaattctt atttcaaata cagttatata 180
attatttt 188

<210> 809
<211> 416
<212> DNA
<213> Homo sapiens

<400> 809
ctggcaggac ctgaaggatc acatgcgaga agctggggat gtctgttatg ctgatgtgca 60
gaaggatgga gtggggatgg tcgagtatct cagaaaagaa gacatggaat atgccctgcg 120
taaactggat gacaccaa atccgctctca tgagggtgaa acttcctaca tccgagttta 180
tcctgagaga agcaccagct atggctactc acgggtctcg tctgggtcaa ggggccgtga 240
ctctccatac caaagcaggg gttccccaca ctacttctct cctttcaggc cctactgaga 300
caggtgatgg gaattttttt tttatttttt aggttaactg agctgctttg tgctcagaat 360
ctacattcca gattgaggat ttagtgtctt aggaaatttt ttttaatttt tttttt 416

<210> 810
<211> 539
<212> DNA
<213> Homo sapiens

<400> 810
ccactctttc atggtggtgg cagcagttac cagtaatgag cattagactc tgggggatag 60
aacacgggct gccctgagag cttcatgttg gagctgaagt tcaaggttca cttccttttg 120
gtttgtactt gaccttctt catgtgtctc tcccgttccc tctaaaacaa gtgtgtttcc 180
cctcattttt gaggctgtca atggtgtgag agccaggatc atcacggggc ctgagggttt 240
actccagaaa agcagaggag tggcaacctt ggcttggggg ttggcagccc aggaaaggca 300
gggaggagag ctcaaagccg gtttcatgtt tcacccaagg tctaattgtg ggagaggaca 360
aatccagatc ccctgtttga cagaattagt tcacaaatgt ctcttgcaa aaacatgtga 420
cacctaacca tgataattga cttaatccaa gaaagagctc tgtagggcag agcaatagga 480

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aatctctctt tcgttatgga aaaaaataa tccctctaca tagaaactga gtgacatgt 539

<210> 811
<211> 454
<212> DNA
<213> Homo sapiens

<400> 811
ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tgggttcagga taatcacctg agcagtgaag ccag 454

<210> 812
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 510
<223> n = A,T,C or G

<400> 812
cgctcctgaa ggagaagagg aagcgacgag aggagctggt catcgaacag aagaaaagaa 60
aactccttcc agacactatt ttggagaagt taaccacagc ttcacagact aacatcaaga 120
aatcgccagg aaaggtgaaa gaagttaatt tgcaaaaagaa aaatgaagac tgtgaaaaag 180
gaaatgactc caagaaagtt aaagtacaaa aagtacagtc tgtcagccag aataaaagct 240
acttgccggt aaggctaata gaccaagatc tgagagattc aaggcaacaa gcagcacaag 300
ccttcataca taattcatta tatgggcccag gaaccaacag gactactgta aataagttcc 360
tgtctcttgc caacaagagg ttaccagtga aaagagctgc tgtccagttt ttgaataatg 420
cttggggaat ccaaaaaaaaa caaaatgccg agagggttaa aagacgggtg atggtcagaa 480
agatgaaaac taagaagtaa atcaatgctn aatgaag 517

<210> 813
<211> 254
<212> DNA
<213> Homo sapiens

<400> 813
ctgtttttac atctaaagca atagactaga actgaattat cttctacata gtaaaatcac 60
aattgtggaa ttacaggaat tctgggtgata ttaaggtgaa ataacaaaac acaaaaggcc 120
ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaaa 180
tgcttctcca ccaataaagg gctttttccc ctatttaagg agccagatgg attgaaagat 240
gtggaaatag gcag 254

<210> 814
<211> 460
<212> DNA
<213> Homo sapiens

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<220>

<221> misc_feature

<222> 395, 405, 437, 455

<223> n = A,T,C or G

<400> 814

```
cctattgggt atcaaaggg gcacagtgt gctgcctctt aaaaagttgt gaggaatgag 60
ttagaactgg atctgaagtc ctcaggtaat aggcattggc atgactgggt gactttaagc 120
attgttgctt ctcaacttgc tttgtatcct cagcagtcaa accaggtgct cttggctcca 180
ttcagactct tgggttctgc tcttgacct tttgcaaaga gttctgaacc ttcattggca 240
aggtcaagca ccctgtgact ggggggagaa ctttgaacct ggagtgtggg cctgggttcg 300
ccccgatcc ctgtccattg cttgctgtgg gccttgggtt ctttatctgt aaaatggagg 360
taatgcctgg attacaaggc tgctataagg atganagggg acaantgagg gtacttttta 420
atgaaagcat tcttgnacc accagggaac catantcagg 460
```

<210> 815

<211> 295

<212> DNA

<213> Homo sapiens

<400> 815

```
ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
cgagctgcca gcagaagctt ctcccaggtc ctcttgagat ttatgatata gatgccatca 120
cttttccttt tatagatgta ctgttccatc tggaagtcaa gattgggtgcc acctaatggg 180
gttcctgctg caaggaactt aaggacatcc tcttccttca tttgcaggac atcaagggtc 240
ccggacattg tgaaaatttc cctttaagtt acgacgggaa tccagaacaa cgccg 295
```

<210> 816

<211> 96

<212> DNA

<213> Homo sapiens

<400> 816

```
cctaggattg tgggggcaat gaatgaagcg aacagatttt cgttcatttt gggtctcagg 60
gtttgttata attttttatt tttatgggct ttgggtg 96
```

<210> 817

<211> 444

<212> DNA

<213> Homo sapiens

<400> 817

```
tttttttttt tttttaagac cctcatcaat agatggagac atacagaaat agtcaaacca 60
catctacaaa atgccagtat caggcgggcg cttcgaagcc aaagtgatgt ttggatgtaa 120
agtgaatat tagttggcgg atgaagcaga tagtgaggaa agttgagcca ataagacgt 180
gaagtccgtg gaagcctgtg gctacaaaaa atgttgagcc gtagatgccg tcggaaatgg 240
tgaagggaga ctcaagatc tctgaggctt gtaggagggt aaaatagaga cccagtaaaa 300
ttgtaataag cagtgcctga attatttggg ttcggttggg ttctattaga ctatgggtgag 360
ctcagggtgat tgatactcct gatgcgagta atacggatgt gtttaggagt gggacttcta 420
ggggatttag cggggtgatg cctg 444
```

<210> 818

<211> 481

0920300.073404

<212> DNA

<213> Homo sapiens

<400> 818

```

aaaaagcaat cctcaaactc tctagccaca gcagtaatta agattaaggt ctgtcagtgg 60
gctgatcccc tccaggtagc ctccctcact ccaagagaag atgtagagaa atatggatga 120
cacatgcttg cattgttttt gtgtcaaaac acacacaccc acacacacac acaatataag 180
gcagcccaaa ggtctgtggc agaaaacact gcaaatgact cagtgatata ctacatttgc 240
aatctctcat ttatacaaaa aaagaaacaa gtttccagtt tgttttcaac aaaaacaaca 300
aagaaaaaag ggatggacaa aaaggcattt atacaaatct aggggtgagga atacaaagaa 360
acttgctttt aataataaaa aaagattaaa gagataaata aaaaaaaact ggttacagtt 420
aagaacataa tttaacaaca gatggccata ccctttgagg aaagctccaa caacctattt 480
t                                                                 481

```

<210> 819

<211> 317

<212> DNA

<213> Homo sapiens

<400> 819

```

ctgggcacag tccagttctc agcagtaatg acagaaatga aggaaggaag ctccagaatga 60
gtgcacgggg gaaatgggtt ttgctgatgc atttccaggg ccggccgtac tctttgtttt 120
ggcacacttt tcctgacaaa cagccagtggt tctcaacaca taaatactag tccacgttaa 180
caacaatagc atatgagacc gctctccgta aagatgccag attggatgca aatggactgg 240
aaataccttg gaggggtttc caaaaataag acaaagggca aaggaacttt gccaaaggag 300
atggagagca attcttt                                                                 317

```

<210> 820

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 160, 272, 326, 352, 381

<223> n = A,T,C or G

<400> 820

```

caagcttttt tttttttttt tttttttttt ttttggttaa aaaagtttaa tgagctgtaa 60
aataaatata ctccatttaa atattaaata aattatttac aacttgaaaa aatacttttt 120
accttcgtgc acctttatat acagaaatag cataaaaagn gacaattgaa agtttaaaac 180
catcataaca aaaagggtcc attgtcttat gatccactgg aaagaggacc gactcatcat 240
ttatggctat gacttggcag tgactccaat gngatatacct gtaattttat cttcagttat 300
gctatagcat gtacatttcc attctnttgt cgaagtttct ttctgttcctc anctttctct 360
tcatatttcc tgacgtattg ncttctaagc tggactgtaa taacagcaac ag                                                                 412

```

<210> 821

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 185, 186, 194, 195

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<223> n = A,T,C or G

<400> 821

```
cctcgggtgga catcaggcgc aggaaggtca gccaaagagga atcagaaacc tgaagttaga 60
aaggctcaac gagaacaagc tatcagggct gctaaggaag caaaaaaggc taagcaagca 120
tctaaaaaga ctgcaatggc tgctgctaag gcacctacaa aggcagcacc taagcaaaaag 180
attgnnaagc ctgnnaaagt ttcagctccc cgagttgggtg gaaaac 226
```

<210> 822

<211> 552

<212> DNA

<213> Homo sapiens

<400> 822

```
aaacaaattg cagagaatag agaaaaaaat aggttattta cagaaaacaa tatctacata 60
tgtacttaga ggtacaaatt tgggtgacaga aaagacttca gtatatgctg gcatcttaga 120
agcagttctc aaagagctta gttttatttt cttgaatttt aagaatgcct aagatccttc 180
ttcatcctcg atcttgggag ccaagtagta ttttaagtgt cccatatccg caattttata 240
ctctacaaca aggggtacat ctgcagacat actgagtgtc accgttgaag agagtggagt 300
ggcttttgta aagaagttca ggtacctcag tgcaaaagtt agttgaactg gttcattcat 360
ctctatggta acagcttcct cctcttatcg acattacttg tctgtgacaa tttaatgttt 420
ccatttccaa gttctccact tgcagaaaat ttcactccgt cttttgcaca ggaaattaca 480
acagcatctc caatatggct gagatctcgg catatacgtg caaattcacc agaaggcatc 540
tttactacac ag 552
```

<210> 823

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 49, 151

<223> n = A,T,C or G

<400> 823

```
aaattgaagc gaattaaata ggattttact actcaacatt cattatacnt gttaatcttt 60
gctgaaatat atgctaacaa atgttaagca agggaaactg aagacttagt catgtggatt 120
gttagcagtg atctgcattc tgtaaaagag ntactttccc atgatgtagg catgaagtgg 180
taccagtaag cgtacagcgg aaatgttgac tttagttaac attgggttta gcatttccag 240
tgcagcatta tcagtgggcc ttt 263
```

<210> 824

<211> 328

<212> DNA

<213> Homo sapiens

<400> 824

```
aaaattagtc atcttacaac acaacagtat tctagcacgg tggcgaagtg acaggcggca 60
gatacggggg aggaaggaga cgttcacggg aaattccaca ttctactcta tgtgaactgc 120
tccagaaaaa tacagacatg atttcacagt aggattccca gagtaaata tgatacatag 180
gacaactgac ctctctaaag aagcccggct ggggcagcag tgagcttttc atggagccac 240
gcagactggc ccggaagcaa caccaggtt caacatttaa gagcactcgc tataacattc 300
tttttgagcg caggtggtgg aaaagttt 328
```

05920300-073101

```
<210> 828
<211> 475
<212> DNA
<213> Homo sapiens
```

<400> 828
ccactagagg tctgtgtgcc attgcccagg cagagtctct gcgttacaaa ctcctaggag 60
ggcttgctgt gcggagggcc tgctatggtg tgctgcggtt catcatggag agtggggcca 120
aaggctgcga ggttggtgtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
ttgtggatgg cctgatgac cacagcggag accctgttaa ctactacgtt gacactgctg 240
tgcgccacgt gttgctcaga caggggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
gggacccaac tggtaagatt ggccctaaga agcccctgcc tgaccacgtg agcattgtgg 360
aacccaaaga tgagatactg cccaccaccc ccatctcaga acagaagggt gggaagccag 420
agccgcctgc catgccccag tcagtcccca cagcataaca ggggtctcctt ggcag 475

<210> 829
<211> 361
<212> DNA
<213> Homo sapiens

<400> 829
caggtcccgg ccgggcccatt cctctccatc cgggtctgca gggacatgat cccccgccgc 60
tccttgggct acgcgtatgt gaacttccag cagccggcgg acgcggagcg tgctttggac 120
accatgaatt ttgatgttat aaagggaag ccagtacgca tcatgtggtc tcagcgtgat 180
ccatcacttc gcaaaagtgg agtaggcaac atattcatta aaaatctgga caaatccatt 240
gataataaag cactgtatga tacatcttct gcttttggtg acatcctttc atgtaagggtg 300
gtttgtgatg aaaatggttc caagggtctat ggatttgtac actttgagac gcaggaagca 360
g 361

<210> 830
<211> 535
<212> DNA
<213> Homo sapiens

<400> 830
aaaaaaaaacc taattcattg aagtaataac caaataattt tcaatcttga ttcaactgtg 60
attcaaatct tacaccattt gccacttct atgaatttta tgtataaaat tttttaagag 120
tcagagtttt tttttcttga ttaattggat gtatttcaca gaattttcaa ctgctcacgt 180
tagttttctt ctttttagag ttgatctctc taatgtatta gatcctcatg cttttgatag 240
tctctctgga ataagtttgc agaaaaaact tcagcatgtg ccaggaacac aacctcacct 300
tgatcagaat ctctgttggg aaaagaatgt gagaacaag gacaatcact gcatggagggt 360
cataaggctg aagggttggg tgtcaatcaa aggcaaatca caacaagtga ttgtccaggg 420
tgtccatgag ctctatgac tggaggagac tccagtgagc tggagggatg acactgagag 480
aacaattga ttggtctca ttggcagaaa tttagataag gatatcctta aacag 535

<210> 831
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 486
<223> n = A,T,C or G

<400> 831
ccatcttcca caagtactcc ggcagggagg gtgacaagca caccctgagc aagaaggagc 60
tgaaggagct gatccagaag gagctcacca ttggctcggg gaggggcctc ctccccagga 120

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```
<210> 832
<211> 311
<212> DNA
<213> Homo sapiens
```

<400>	832						
ccaccaatgg	tactgaacct	acgagtacac	cgactacggc	ggactaatct	tcaactccta	60	
catacttccc	ccattattcc	tagaaccagg	cgacctgcga	ctccttgacg	ttgacaatct	120	
ngtagtactc	ccgattgaag	ccccattcgc	tataataatt	acatcacaag	acgtcttgca	180	
ctcatgggct	gtccccacat	taggcttaaa	aacagatgca	attcccgga	gtctaaacca	240	
aaccactttc	accgctacac	gaccgggggt	atactacggn	caatgctctn	aaatntgtgg	300	
agcaaaccac	a					311	

```
<400> 833
ccagcagcct ctgatctgtg caaggtatta acgtgtcagg gctgagtgtt ctgggatttc 60
tctagaggct ggcaagaacc agttgttttg tcttgcgggt ctgtcagggt tggaaagtcc 120
aagccgtagg acccagtttc ctttcttagc tgatgtcttt gg                162
```

```
<210> 834
<211> 502
<212> DNA
<213> Homo sapiens
```

$\langle 210 \rangle$	835
$\langle 211 \rangle$	305

<212> DNA
<213> Homo sapiens

<400> 835
cctaaatgtg accaaaccaa cattgtaatc cagtcccttc ttggaacctt aattgaactg 60
ccaagtactg cgcatgcaag agacccttta ttggccttac agtgggcat tcatctctat 120
aggcaaagaa agctctagac agattggaat aggaaatgga tatttgccctt ttagctacac 180
ccctttgtct gtcttcctca ttttgcttct tttttttttt cctaaagggg agtcaagttc 240
cctgggttgt tccccata aggtattagg gacttgtgtc acatctctct ggagttttct 300
atattt 305

<210> 836
<211> 316
<212> DNA
<213> Homo sapiens

<400> 836
atcaacctct gcggctccca ctgcggcggt tccatcgggg aagacggggc ctcccagatg 60
gccctagaag atctggctat gtttcgggtc gtccccacat caactgtctt ttaccaagt 120
gatggcggtt ctacagagaa ggcagtggaa ctagccgcca atacaaaggg tatctgcttc 180
atccggacca gccgccaga aaatgccatc atctataaca acaatgagga cttccagggtc 240
ggacaagcca aggtggctct gaagagcaag gatgaccagg tgaccgttat cggggctggg 300
gtgaccctgc acgagg 316

<210> 837
<211> 335
<212> DNA
<213> Homo sapiens

<400> 837
ctggcttcag agccggcctg acctgtacct taatcttgtg gctgtgcgca gggacttctg 60
tgggaggccc cggttcctgc atatccggag gtctgggcca tagcatggct gccctgtgga 120
tgcttgtca gtgcgccag cctgaccaga ggggaggtgg atggcacttt ccagagccca 180
ggttcttatg gcatttccca gggttctgtg atttcccat gctctgcatt tctaggatat 240
ttctaggaca cctggattgg ctccatcaca tcagagtggc tgagggcagt tgctctgtgt 300
tggtgaaatt gctgtggggg tatcggggga tatgg 335

<210> 838
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 362
<223> n = A,T,C or G

<400> 838
cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
tggggcagcg aaaatttttg ggggggtggt tggagagata atgggcgatg tttctcaggg 120
ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgtcgtatag 240
aatgattggg gatggcctgg atacggtttt ggatgatttg agaagctaaa tggagataac 300
aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360

09920300 "073101

angacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
 ttacttcaag agttaagagt ggcagt 446

<210> 839
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 839
 ctggtcttta attatgtggt tccgaagcaa attccttgta tgggcatcaa ttggaggggt 60
 tccatctttg aatacagaat tcaggggagc caggaggggtc aaccgctcac ttccagagag 120
 atgattgccg aggcgggctt gtctgaaaag gtcaatggct gtggacacat cagactctgc 180
 agccaattca aatagtgtct tggctgagtc tgggatgagt agctcatcaa ttagtgatgag 240
 caccocgttg gtggctagga tatctttatt ggagatgac gccttcccgt tgatagttag 300
 catgtccccg ctgcagccca cctccagtgt cgtgccctcc agggctctta cagacagccc 360
 cgcaacgatg gcttcagcac acatagctga cttcaagatg tggttgttca gcagggtctct 420
 cagggcttct gggctgcccc ggatacgggt caaagtctca ctagggatct tctcgaagg 479

<210> 840
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 840
 ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
 tatgtatgtg gaatccagaa ctcaagttagt gcaaacccga gtgacccagt caccctggat 120
 gtcctctatg ggccggacac ccccatcatt tccccccag actcgtctta cctttcggga 180
 gcgaacctca acctctcctg ccactcggcc tctaaccat ccccgagta ttcttggcgt 240
 atcaatggga taccgcagca acacacacaa gttctcttta tcgcaaaat cagccaaat 300
 aataacggga cctatgcctg ttttgtctct aacttggcta ctggccgcaa taattccata 360
 gtcaagagca tcacagtctc tgcactctgga acttctcctg gtctctcag 409

<210> 841
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 841
 ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60
 atctccccct tctccttttg gctgggtcatc cagcaggtgt tcgacaatgg cagcatctac 120
 aaccctgaag tgcttgatat cacagaggaa actctgcatt ctgcttctt ggaggggtgtc 180
 cgcaatggtg ccagtgtctg tctgcagatt ggctacccaa ctggttgcac agtaccocat 240
 tctatcatca acgggtacaa acgagtcctg gccttgtctg tggagacgga ttacaccttc 300
 ccacttgctg aaaaggtcaa gg 322

<210> 842
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 842
 ggcattcctg ttacagacca aggagaactg gagaaagaaa gagaaaatca gttcgtgggt 60
 gcattgtgga tgcaaatctg agcgttctca acttggttat tgtaaaaaaa ggagagaagg 120
 atattcctgg actgactgat actacagtgc ctgcgcgctt gggcccaaaa agagctagca 180

05920300 "073101

gaatccgcaa acttttcaat ctctctaaag aagatgatgt ccgccagtat gttgtaagaa 240
 agcccttaaa taaagaaggt aagaaaccta ggaccaaagc acccaagatt cagcgtcttg 300
 ttactccacg tgtcctgcag cacaaacggc ggcgtattgc tctgaagaag cagcgtacca 360
 agaaaaataa agaagaggct gcagaatatg ctaaactttt gg 402

<210> 843
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 843
 ccacctggag acggtgattt tgggcctatt gaagacacct gctcagtatg acgcttctga 60
 gctaaaagct tccatgaagg ggctgggaac cgacgaggac tctctcattg agatcatctg 120
 ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa tgtacaagac 180
 tgatctggag aaggacatta ttccggacac atctgggtgac ttccgcaagc tgatgggttg 240
 cctggcaaaag ggtagaagag cagaggatgg ctctgtcatt gattatgaac tgattgacca 300
 agatgctcgg gatctctatg acgctggagt gaagaggaaa ggaactgatg ttcccaagtg 360
 gatcagcatc atgaccgagc ggagcgtgcc ccacctccag aaagtatttg ataggtacaa 420
 gagttacagc ccttatgaca tgttggaag catcaggaaa gaggttaaag gagacctgga 480
 aatgc 486

<210> 844
 <211> 541
 <212> DNA
 <213> Homo sapiens

<400> 844
 aaaaacccag tgagtattat tttcaatttg ttaagggtgc aaaccttcag tgaagcttgt 60
 ttctcttttc ttgttccttc tttcaaattg aaatgacatt tttgtttata gagctccagg 120
 tcaaaggatc taacaatttt taatagcaat ttccatagat gaatacttgc tttttcttcc 180
 tagtcttgca gcaaaaaact aagcaagctt tgacatagag ggacgcatgt gaatatcgta 240
 aatttatata caaactccca taaatactcc ctttcaatct aacacagaag acggggcagg 300
 acggacgcag cagttggggc gtcggaagtt ctgcagcatg gactggaaaa cactgtgctg 360
 ccttcctctg agcttcttat ttgaagaagt atctgaggaa atggatctcc gggctctggct 420
 attttgagtt ttgattaatt tctcatgttc cctgatttgt ctttgcaaat gggtctggat 480
 cgcgattccc agggactctg cgtccaagga tgcaccatac acttcccagg tcattccctg 540
 c 541

<210> 845
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 845
 gcaccgccag ccttgtgggc agcaacatgt tccccaatca ttaccgcgag gcggcctttg 60
 ggggcggcct cctatccccg gggcctgaag ccacgtagcc ccgcgatgcc agaggagggg 120
 cactgggtgg ggagggaggt ggaggagccg tgcaatccca accaggatgt ctacaccccc 180
 catccccctg gcccttcctc atgcttctga agtgacata ttcagccttg gcgagaagct 240
 ccgttgcaag ggtttccctt tgagcccat ttacagatga ggaaactgag tccggagagg 300
 aaaagggaca tggctcccg tgcactagctt gttacag 337

<210> 846
 <211> 454
 <212> DNA

<213> Homo sapiens

<400> 846

```
ccacagctaa catcattgca gcacctttac tccttcggct gtgatccaat ctccagctca 60
cttctttttt ccagcaccaa cattggcctt tgcagtcctt ctgactttct tcattctgtt 120
cttgcggtcc ttctgttgct ttcttgaggt cttttcttct tcatacaggc catgtcttgc 180
aagtctatgt ttgggttcat tttcttttgc ataatccagg gaatcataaa tcatgccaaa 240
gccagttgtc ttgccaccac caaaatgagt tctgaatcca aatacaaaaga tgacatccgg 300
tgtgggtctt tacatttttg ctagtttttc ccgaatttct gtcttaggca ctgtcgcctt 360
cccggggtga aggacatcaa tgaccatttg tttcctctga agtagtcggg ttggtcatgaa 420
ctttctagtg cggatagtta cgggtgctgt catg 454
```

<210> 847

<211> 369

<212> DNA

<213> Homo sapiens

<400> 847

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ccaacctgcc totacagcgt ccacagcgaa cacagggcta gacaaggag gagttttctca 60
aacggtttta atcggttctc tccgcgtcac aagccatcgg gtaaggcaac ggaatgtgcg 120
tgggggtccc tgtgggtccg cggtcacaat actgagcctg gaattgctgt tagcaaaata 180
tacatttttg tcaccataaa aaaccgcgcc gccgcccctc ggggtctcaca acagggtataa 240
aaaattataa atattttacac ccttggttaca cgctttttac gaaaggggat cctaggagag 300
ccccggggac aggacgcggg ggcggttaga agagcacaaa gacaggagcg ccgccttcc 360
gggtcccag 369
```

<210> 848

<211> 344

<212> DNA

<213> Homo sapiens

<400> 848

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ccaacttaaa gccgaatccc ggctccaaga aaccggagag aagaccaaga ggtcggagaa 60
gaggtagaaa atgtggcaga ggccataaag gagaaaggca aagaggaacc cggccccgct 120
tgggctttga gggaggccag actccatttt acatccgaat cccaaaatac gggtttaacg 180
aaggacatag ttccagacgc cagtataagc ctttgagtct caatagactg cagtatctta 240
ttgatttggg tcgtgttgat cctagtcaac ctattgactt aaccagctt gtcaatggga 300
gaggtgtgac catccagcca cttaaaaggg attatggtgt ccag 344
```

<210> 849

<211> 245

<212> DNA

<213> Homo sapiens

<400> 849

```
ctgcttgggc ctctctctc tggagagtc cactgtgta gtgggcgtgg gtgccctgat 60
tgggcccagt tgcaggcagt agaggcaggg cagggacctt gcagtccact acatgttctt 120
cgggatttcc ccaggagcca cagtaggagg gaagtgtggt ttacctggcc ttgtattctc 180
tccaggtgag gaagaggatg gagatgaaga tgaggaagct ggtcagcta cgggcaagcg 240
ggcag 245
```

<210> 850

<211> 294

<212> DNA

05920300 073104

<213> Homo sapiens

<400> 850

```
ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
ctaaccagta tatgcagaga atggcaagtgt tacgagctgt tccaaccct gtaatcaacc 120
cctaccagcc agcacctcct tcagggttact tcatggcagc tatcccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtcct cgctggactg 240
ctcaggggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294
```

<210> 851

<211> 362

<212> DNA

<213> Homo sapiens

<400> 851

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ccatcctgag gatagggcag agtgcccagg gtggccccag ggcttctaaa accccaccta 60
gaccaccctc catgtcaggt actgagcaag gcccagatc cttctctctg gaggaagagg 120
gaagcccagg ggctcctgttt gtaaaacaac ggtggcaaca gtcctctctc cagagctgtc 180
tctgccttta tcctgggaga tggggaggaa gcccctctc tgctgttccc cgctggagg 240
aagcccaccc agcaagctct ctccctacccc aggtaaaagg tgctcctttg cctgggtttg 300
aattccagcg ctgccacttc ctctctgcac ctccctggcaa gtttcttcta tccccacgt 360
tt 362
```

<210> 852

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 109, 124, 241, 250

<223> n = A,T,C or G

<400> 852

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aaaagataat atattctacc ctcatatggt cctcagaatt aaagcataat gaacaggaag 60
aaaaaggaaa agaatgcaac ctgagtgcata aggcagaaca tcttgccana agtaattaat 120
gaangtagag tatataatga aaagtgcaga atttcatagg gccaacaaga taacagtcta 180
tatttttcac ttacacaggc aaagtggatt ctgcaattac cagttgcgtt aaatgcacca 240
nataaagctn ctaaaattga tactataagg cgccacctta agtttttoca ggctgcaact 300
gtgcattatt t 311
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<210> 853

<211> 490

<212> DNA

<213> Homo sapiens

<400> 853

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ctgttatcca ggcgctggat ggggaaatgc gcaacgcagt gtgcatatct tatctggttc 60
tccgagctct ggacacactg gaagatgaca tgaccatcag tgtggaaaag aaggtcccgc 120
tgttacacaa ctttactctt ttcttttacc aaccagactg gcggttcatg gagagcaagg 180
agaaggatcg ccagggtgctg gaggacttcc caacgatctc ccttgagttt agaaatctgg 240
ctgagaaata ccaaacagtg attgccgaca tttgccggag aatgggcatt gggatggcag 300
agtttttggg taagcatgtg acctctgaac aggagtggga caagtactgc cactatgttg 360
ctgggctggg cggaattggc ctttcccgtc ttttctcagc ctccagagttt gaagaccctt 420
```

tagttggtga agatacagaa cgtgccaaact ctatgggcct gtttctgcag aaacaaacat 480
catccgtgac 490

<210> 854
<211> 366
<212> DNA
<213> Homo sapiens

<400> 854
aaaaactgcc acttgagat aaaaatcaag ggcacaatgt actcagagag tattgagcta 60
tctggtatcc caaatgatgt gaatactttc agaaaccaat ggcaaattga acccacgttt 120
cccagctatg gagatattaa tacattgatt caaatcccat tactcaatcc acatagccct 180
gaggatcatcc tgcaaagtgc gtatcaaaaa atacgaagtt agggtgacaa agtttgacag 240
tgatgttata caagtcaaac ttggaagggtc atagtaagca tacctatgct gagagaaaag 300
catcaaatcc tttgtgtaca catttagttt tattgtaaca aagcaacttg tacactttta 360
acgttt 366

<210> 855
<211> 434
<212> DNA
<213> Homo sapiens

<400> 855
ccaacatggt gaaaccctgt ctcttctaga agcacaaaaa tgagctgggt gttctggtgg 60
gcacctgtaa tccagctac ttgggagggt taggcaggag aatcactgga acccaggagg 120
cggagggttcc agtgagccaa gatcgaccca ctacactcca gcctaggcca caaagcaaga 180
ctgttttctca acaacaacaa caaaaaaaaaa aaaaaaaaaa agactcagag agccaggggac 240
caggaagga tatgaggaag tgttctgagg acagagaaat gggagaatgg ggaggagaag 300
gagcggcaca tggagctcag cagaggagac agacagaagg aaagatggct tggagaagcc 360
ggcagtcctgc gaggctgagg aggatggaga gtggtttggg gttttgggtc gggctctagt 420
gtgatcaact gcag 434

<210> 856
<211> 283
<212> DNA
<213> Homo sapiens

<400> 856
ctgctgctat taagttgcaa gctctacagc tagctacatg actgatggat cagtttgaga 60
tttgttccct tgtcaaaagt ttaactctga tagaagggtg gcctcacatt ctgatgtttg 120
gacatccctt agctaggata tgtctggctg aacagacctt tgtggcaagc cagatgtcct 180
atcacctcgc tagcggtaag agggcctctt tgagctctgt ccacctagtc aggttggaga 240
caccagggga tctaccacca aaagctccct tctagtagta cag 283

<210> 857
<211> 149
<212> DNA
<213> Homo sapiens

<400> 857
ccatattgac agaccaatct atgggactag gggaattggc atcaagtoga cacccttgaa 60
cctgctatgg ccttcagcag tcaccatcat ccagaccccc cgggcctcag tttcctcaat 120
catagaagaa gaccaataga caagatcag 149

09520300 "03101

<210> 858
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 246, 268, 297
 <223> n = A,T,C or G

<400> 858
 ctggaggatg gccgcactct ctcagactac aacatccaga aagagtccac cctgcacctg 60
 gtgttgcgcc tgcgagggtg cattattgag ccttctctcc gccagcttgc ccagaaatac 120
 aactgcgaca agatgatctg ccgcaagtgc tatgctcgcc ttcaccctcg tgctgtcaac 180
 tgccgcaaga agaagtgtgg tcacaccaac aacctgcgtc ccaagaagaa ggtcaaataa 240
 gggttgntctt tccttgaagg gcagcctnct gcccaggccc cgtggccctg gaggcctnaat 300
 a 301

<210> 859
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 859
 ctcgtagagac aggatgcccc ggacctgtat gaggctggag agaagaaatg ggggacagat 60
 gaggtgaaat ttctaactgt tctctgttcc cggaaccgaa atcacctgtt gcatgtgttt 120
 gatgaataca aaaggatatac acagaaggat attgaacaga gtattaaatc tgaaacatct 180
 ggtagctttg aagatgctct gctggctata gtaaagtgca tgaggaacaa atctgcatat 240
 tttgctgaaa agctctataa atcgatgaag ggcttgggca ccgatgataa caccctcatc 300
 agagtgatgg tttctcgagc agaaattgac atgttggata tccgggcaca cttcaagaga 360
 ctctatggaa agtctctgta ctcgttcatc aagggtgaca catctggaga ctacaggaaa 420
 gtactgcttg ttctctgtgg aggagatgat taaaataaaa atcccagaag gacaggagga 480
 ttctc 485

<210> 860
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 860
 ctgagccact gcccctggct gacgctgcct ctttgaagtg cttgtcttcc ctgctactct 60
 ggggtctgct gcccgctggc tgctcccagg tgttctttgc cagatcccca ccaaacttca 120
 tgccccaag gcttgagggt gcccgggctc agtatctcca gggttactgat ccagcaaaat 180
 tataagaaac attaaaattc tctgaaaatt tcagtttttt cccttttttc aaagagaaaa 240
 acaattatag gagacttctc ctggcttcac agtttctgga tgctgtgttt ttgttaactg 300
 taacactttg aaatagcatt tgctaaaaac ctttttctt tctctctttt ttggtgatgt 360
 ggcagagaga aagacattga gatgttcctt gaggccagcc gcagcaaat tatagggtac 420
 actctaggca gtgacacgaa cacagtgggt gggctgcccc ggccaatcca cgaaagcatc 480
 aagactctga aacaggtgag t 501

<210> 861
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 861

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ctgaggaaga aatgaaaaaa gaccctgtcc cccatggccc gccactggc ctctgtgaa 60
ctctgtcctg ttgccaaacc cagatgaagt cagccaaaaa gtgctttcca catcctctct 120
ctggggctgc ccagcctgac cgcaggggat cactggcag agccaaggtg gatgctggtg 180
cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggttctagaa 240
ctcccagcag aacagaacgg aaaaggagct gattggggat agaagagtt ctgctaaaca 300
gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca 360
ggtgg                                           365

```

<210> 862

<211> 617

<212> DNA

<213> Homo sapiens

<400> 862

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ctgcaaagta ccacacatag cagaaagaca gaaatttata ctgggggggtt ggaagatatg 60
gctactgagt ctgtaattcc atttggaggt tcaaaaaacc atttttacat tgctattatt 120
tgtacagacc aagggaacct aattttgaaa cagctagaca gtgatataaa caaacattta 180
tctctggggg tagaaaatta attataatac aagaatgaaa atgggcaaac agtatggaag 240
gcacccacac ctctagcac cctttggttt tctgatggag ttctcacttc acacatcagt 300
gcattggatt gcagaaaata ttgatatttt atttcatcaa aagtgccatt tggtagcca 360
ctattgaaag cttatcgctg tctttttctc cttcagcaag tagaggtcaa tgaagcaggg 420
tgtgttagtt acgcaaattc ctataaggca ctttacgggt ttcattattg acagtgaggt 480
acacaggata tatttctagg gttcgttgct gttacaaaaa agaagaagaa gtagcaccat 540
gttgtgacat tagctgagtc aggcttcatt atgttcttct catacagact tggcagcggc 600
tgacgtgctg gcgcagc                                           617

```

<210> 863

<211> 520

<212> DNA

<213> Homo sapiens

<400> 863

```

ctggggccac tgtcggcatc atgattggag tgctgggttg ggttgctctg atatagcagc 60
cctggtgtag tttcttcatt tcaggaagac tgacagttgt tttgcttctt ccttaaagca 120
tttgcaacag ctacagtcta aaattgcttc tttaaccaag atatttacag aaaagactct 180
gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccctctctac taaaaatata 240
aaaatgagct gggcttggtg gcgcacacct gtagtcccag ttactcggga ggctgaggca 300
ggagaatcgc ttgaaccggg gaggtggaga ttgcagttag ccagatcgc accactgcac 360
tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
tgtactcttg gatacaagtt tctgatacca ctgcaactgt tgagaatttc caaaacttta 480
atgaactaac tgacagcttc atgaaactgt ccaccaagat                                           520

```

<210> 864

<211> 449

<212> DNA

<213> Homo sapiens

<400> 864

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ccattaaaag ttattttaca cagtgggaga aaaaaagaca agaagttggt tcacattaca 60
gacctcccc caccctaaag cctaatactt gcttaccaag tcaaaaaaga gacgcagttg 120
attcacaggc tggaggtttg aacttgagta agacatttat aaaaacctag acggggcagt 180
gtcctcccca gcccaggtgc cactaggcac agcacaagag actaaaaaca acaggggag 240

```

05920300:073404

gctggacact caaggtttgg gagtataagc accccacttc tggttcaggg atttggggag 300
tagggtaaac aaaacctact tggaaaagaa ttggggaaga aaaccaacaa ctgccttatg 360
caggggtggg gacaggaag gaggtagggc cagggacagg agcatttcac atcactaacc 420
taacttggga agctgtaagg gaccatcct 449

<210> 865
<211> 426
<212> DNA
<213> Homo sapiens

<400> 865
aaatcaattc aaatatctct taaatgcctt tgtaaaatca gctctatact aggtgtgaag 60
gagataagaa atattacaaa aatgtctttg ttccaaattt cctcatagta tagttgggaa 120
aggcaaaaga agcagacatg aaaaatttta gtatccacat aagatgatcc atgtatcata 180
aagagtgatg taggcattta agatttacag gagaagaagg ctctttttgt tgatattttc 240
tgcttggacc aagaatattt atctggtaat actgttaatt ggaaataactt ttgctgctgc 300
aattgtatac attatgctaa tctgcatttt cttatccaaa acaagagcac tcattaagga 360
ctccctgacg tgcagttctg gtcagtaaca atacccttaa cccttccctc accctcatca 420
tggcag 426

<210> 866
<211> 458
<212> DNA
<213> Homo sapiens

<400> 866
ccaatttcgg gagatccatg ctgggtgtgct gtctctcggc tagtgcttcc ttcttctcga 60
ggatggcata gccagcatct gcagtggctg actcccgct ctcgtcatct cgcagggagc 120
tgataggctg gaagctatct ttgaagtctt ctttttgctt gttgagactg cgggccagc 180
gttccatgtc cttggcaatc tgttgagctg tcttggctct gtgcttctcc ttcttctctt 240
tgccctcctt cgaggggtgc cctgtctcct tatgtccgtc ggccgactgc tccagggcgg 300
gaacataggc cgcctctcc ccatcccagt acaggtactg ctggctctga gcattgtagt 360
aatactggga gttgggggtca tagtagaggc cgggtctggg gtcatagtag tagccggagg 420
tctcatcgta ctggtaggta gagacgtcgg gaacaggg 458

<210> 867
<211> 392
<212> DNA
<213> Homo sapiens

<400> 867
ctggcttcac agatttctta ctgcccattg ttggagctgat ccctgagaag agagccactg 60
ccgccgagtg tctccggcac ccttggctta actcctaagc ccctgcccag caccacagca 120
gagatcacac actgaccctc cgcccttccc cttcaagcat ttctctcttc ccttttcagg 180
gtgaagctct tccttcaaga gtttctagat cttgtttttt ttttaatcca acatgttcat 240
ttgggtttgc ttacttgacc ctgtggagat cccacagcc attgggcac ctaggtgaat 300
ttggccttgg ttgggctctg ccaaagacta atggactaaa atgtgaaaca gcctcttgcc 360
ctgtaccttt ccttcccatt aggacatcct tt 392

<210> 868
<211> 203
<212> DNA
<213> Homo sapiens

09520300-073104

<400> 868
 aaagtagttt tcttttaggaa ctgtcagcat gttgttggtg aagtgtggag ttgtaactct 60
 gcgtggacta tggacagtca acaatatgta cttaaaagtt gcactattgc aaaacgggtg 120
 tattatccag gtactcgtac actatTTTTT tgtactgctg gtcctgtacc agaaacattt 180
 tcttttattg ttacttgctt ttt 203

<210> 869
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 869
 cacctttcat gatcacgccc tcataatcat tttccttatt tgcttcctag tctgttatgc 60
 ccttttccta acactcacaa caaaactaac taataactaac atctcagacg ctcaggaaat 120
 agaaaccgtc tgaactatcc tgcccgccat catcctagtc ctcatcgccc tcccatccct 180
 acgcatcctt tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg 240

<210> 870
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 870
 aaagagcctg agatttatat ttaactcgaa caacagtttg cctctgttgcc cctgtgttc 60
 atgttttcct aagccagagt tccccacgcc tctgttcctt ggcagcccaa gtgccttcgc 120
 tgggctactc ccacctggcc cttgtctttc attccttagg gcagtcactt agcaccttcc 180
 aaagtgcctg cacatgtttc ttatttcatt tcttaaacad tcatattacc actattttaga 240
 ttgaaggaaac agaattgggt tgggcttgaa gagaatacaa agagatctgt cttcaattat 300
 ctgatagtag taaagtttca cgggagaaaag aaagatttcg gttccacata aggaaaaact 360
 tggaaagttt tgaatggaaa gttcatagag agattcagta accacctgtc aggaattttg 420
 taaagacgtc tacggccata tcacctgaa cgcgcctgat ctcatctgat ctcggaagc 479

<210> 871
 <211> 555
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 521
 <223> n = A,T,C or G

<400> 871
 aaagttgctt tgctggaagt ttttataagg aatctcaaat taaactttta gaagtttaat 60
 tgacactagg aagccaaacc aaggctgact tcagactttg tttgtagtac ctgtgggttt 120
 attacctatg ggtttatatc ctcaaatacg acattctagt caaagtcttg gtaatataac 180
 caatgttttc aaatgtattc tgttatataa agagcagatt tttattgaac ttgtgcaata 240
 actatattac catacaatat aaatattcat gaatagtttc ccaagtctgg agcgaccaca 300
 tagggagaaa atgtaaatgt ctcaattttt gttcacaaaa gtatatttta tcaaatgtgt 360
 gtaagctgtg gatagcttaa aagaaaaaaa gtttcctgaa atctgggaaa caagacattt 420
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 480
 agtcccatga aattaattat tttctctgct tgatcttggg ngacagtttc atgaagctgt 540
 cagtttagttc attaa 555

<210> 872
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 872
 ccttagagcc acagcggcgg cacaacgtgt gcgtcttatt gcgacgcttt ccaaacgatg 60
 acgttccttt cgtcattctcg cttctgcggc cgag 94

<210> 873
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 873
 ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
 ctaaccagta tatgcagaga atggcaagtg tacgagctgt tcccaaccct gtaatcaacc 120
 cctaccagcc agcacctcct tcaggttact tcatggcagc tatccacag actcagaacc 180
 gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtcct cgctggactg 240
 ctcagggtgc cagacctcat ccattccaaa atatgcccg tgctatccgc ccag 294

<210> 874
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 284, 296
 <223> n = A,T,C or G

<400> 874
 cctataattc ctaccttgac tgtgtgcatc atttgtaagc tagcagatct atgtggtgaa 60
 aatgcacagg agcttggttag actgcggggg aaagagagag ctccctttcg catgttttac 120
 cagtctactg ttataacctc ttaggttgta tcctttaatt tccagccttt taggttagtt 180
 tctgtaacag aacaagttag tctgggatga agtcctcaaa gtacttcaaa tggtaattgt 240
 tttgtttttg taatagctta acaataaac ctaggttttc tatngaaaaa aaaaangc 298

<210> 875
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 875
 attatcctct gtttctctgc tgcaccgacc tcgacgtctt gcctgtgtcc cacttggttcg 60
 cggcctatag gctactgcag cactggggtg tcagttgttg gtccgaccca gaacgcttca 120
 gttgtgctct gcaaggatat ataataactg attggtgtgc ccgtttaata aaagaatatg 180
 gaaactgaac agccagaaga aaccttcctt aacactgaaa ccaatggtga atttggtaaa 240
 cgccctgcag aagatatgga agaggaacaa gcattt 276

<210> 876
 <211> 452
 <212> DNA

FORE.01.0000000000

<213> Homo sapiens

<400> 876

```

ttgaagatgg tcccttacag cttcccaagt taggttagtg atgtgaaatg ctctgtgcc 60
tggccctacc tccctccctg tccccacccc tgcataaggc agttgttggg tttcttcccc 120
aattcttttc caagtaggtt ttgtttaccc tactcccca atccctgagc cagaagtggg 180
gtgcttatac tcccaaacct tgagtctcca gccttcccct gttgctttta gtctcttggt 240
ctgtgcctag tggcacctgg gctggggagg acactgcccc gtctagggtt ttataaatgt 300
cttactcaag ttcaaacctc cagcctgtga atcaactgtg tctctttttt gacttggtaa 360
gcaagtatta ggctttgggg tggggggagg ctgtaatgtg aaacaacttc ttgtcttttt 420
tctctcccac tgttgtaaat aacttttaat gg 452

```

<210> 877

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 185, 262

<223> n = A,T,C or G

<400> 877

```

aaaaacaaca ccaaagcaaa cccatagccc ctgtcaagcc agtcctcagg gagagtgagc 60
tggaaggctc cccctgcact tctctgagca gagatcttgg gcccctccca ctggacccca 120
gcctgagcag agggcaaggc tctgcctgct ggtaccctag ggggtggggg agaagcgatc 180
agctncaaac catgcaagaa aaacaagcca aaccataaa gcaaaagaaa aaatcaacag 240
aggataaatt aaaaaaaaca cnaaagggtga atgacaccga taacggtgg 289

```

<210> 878

<211> 411

<212> DNA

<213> Homo sapiens

<400> 878

```

ctgcatatgg cctgggagtc atggcacagt acggtggaga taattatcgc cctttttgta 60
cagaagcact tcccctgctg gtaagagtta ttcagtctgc ggattctaag atcaaagaaa 120
atgtcaatgc tacagagaac tgcattctcag cagtagggaa aatcatgaag ttcaagcctg 180
actgtgtaaa cgttgaagag gtccttccac actggttgtc ttggcttcca ctacatgaag 240
ataaagaaga agctgttcag actttcaatt atctgtgtga cctgattgaa agtaatcatc 300
caattgttct tggcccaaac aataccaatc tgcccaaaat atttagtata attgcggaag 360
gagaaatgca cgaggcaatt aaacatgaag atccttgtgc caaacgtctg g 411

```

<210> 879

<211> 423

<212> DNA

<213> Homo sapiens

<400> 879

```

aaacagttgg aacaccggtg gcaactgttaa ctgctttctg ggcagcctct ttagcttggg 60
gggctttag tagacgtaca gcttcatcaa ccttagaacg gagtgactct ggagactcga 120
gcatatgaag aagttctgaa ttatcaatct ccaacaacat gccagtgatt ttaccagcaa 180
gagtaggggt catggcttga ataagaggaa acagccgttc acccaacatt tgcttttgct 240
cttgaggagg ggcagatgcc aacatggaag cagtcaaagg ttcttgacct tgtacatgaa 300

```

09920300.073101

cagcaggctg ttgcattgta acttgtggct gtgcattaag atgttgctga ggattgcgaa 360
ctcctgcagc atatttatac tgtggaacgg tgcggacagc aggagtagct gcagcggctg 420
cag 423

<210> 880
<211> 437
<212> DNA
<213> Homo sapiens

<400> 880
ctgggggacg tggttcacgg cgtggaaagc ctagtggagc ttctgggctg gacagaagag 60
atgcgggacc ttgtgcagcg ggaaactggg aagcttgatg gaccagacaa ataggatgat 120
ggctgcccc acacaataaa tggtaacata ggagacatcc acatcccaat tctgacaaga 180
cctcatgcct gaagacagct tgggcagggtg aaaccagaat atgtgaactg agtggacacc 240
cgaggctgcc actggaatgt cttctcaggc catgagctgc agtgactggt agggctgtgt 300
ttacagtcag ggccacccccg tcacatatac aaaggagctg cctgcctgtt tgctgtgttg 360
aactcttcac tctgctgaag ctctaataatg aaaaagcttt cttctgactg tgaccctctt 420
gaactgaatc agaccaa 437

<210> 881
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 160, 332, 380
<223> n = A,T,C or G

<400> 881
caagcttttt tttttttttt tttttttttt ttttggttaa aaaagtttaa tgagctgtaa 60
aataaatata cttccattaa atattaaata aattatttac aacttgaaaa aatacttttt 120
accttcgtgc acctttatat acagaaatag cataaaaaagn gacaattgaa agtttaaaac 180
catcataaca aaaagggtcc attgtcttat gatccactgg aaagaggacc gactcatcat 240
ttatggctat gacttggcag tgactccaat gtgatatcct gtaattttat cttcagttat 300
gctatagcat gtacatttcc attctcttgt cnaagtttct ttcgttcctc acttctcctt 360
catatttcct gacgtattgn cttctaagct ggactgtaat aacagcaaca g 411

<210> 882
<211> 358
<212> DNA
<213> Homo sapiens

<400> 882
ccactagagg tctgtgtgcc attgccagc cagagtctct gcgttacaaa ctccataggag 60
ggcttgctgt gcggagggcc tgctatggtg tgctgcggtt catcatggag agtggggcca 120
aaggctgcga ggttgtggtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
ttgtggatgg cctgatgatc cacagcggag accctgttaa ctactacgtt gacactgctg 240
tgcgccacgt gttgctcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
gggacccaac tggttaagatt ggccctaaga agcccctgcc tgaccacgcg agcattgt 358

<210> 883
<211> 297
<212> DNA

<213> Homo sapiens

<400> 883

```
ctgactatcc aacatgattc ctatggaaac agaaggggca gagtcctggt ttgctggctt 60
attgagggct tggcagagaa gctaaagctc caaagtgact acagattctc tgcaaccggc 120
tttgacccat ggaaacagga gccagattct cactctagag atagtgaggg ggccaaacct 180
actcatacca catgcattag tcctgggtcat cctccaggac catgcgtatg atggggcaact 240
cataccaggc aggggaaggg agctgattag ggaagaaggg accatttttc atctttt 297
```

<210> 884

<211> 367

<212> DNA

<213> Homo sapiens

<400> 884

```
aatttggtta aaatatctcg gcctgataag ggaactgggc aggtggagat aactaaaaaa 60
gagtgcataa aagagtgttg ttcaagttgg caccagagtt ggggagtttt aagaggttta 120
gaagcctggc tgtcaatacc cacaacagtt atggaggcaa gggaaacagg cccttgaaaa 180
gaaggtaatg tggagtgggt agcctccata ttgattaaga aggggacaga cttaccctcc 240
actgtgagag ttacctaaag ctcggtgtcc atgggtggtt acagggtctc tgaggcgatc 300
aggcagcgtc agtccttcagc cactaagcca agaaggagtc agtcagagag ccttggggcca 360
gtgttcc 367
```

<210> 885

<211> 194

<212> DNA

<213> Homo sapiens

<400> 885

```
gcaggtaaaaa atcctgtgta aaggagcacc ttaaaccatac cagtgcctccc caggaggctc 60
caccctcaac tcaacccaag caacagggac agatgaaaaa caaaatccaa tcagggcgat 120
aaatggcggg gggcaggacg tgggtgtctc caggctggct tcgtgcgttc ttgcttttgt 180
cactgcccc ctgt 194
```

<210> 886

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 143

<223> n = A,T,C or G

<400> 886

```
aaaataagga gttgtggggg aagggtgtcg tgcactccta gagaaaggta cacagttgcc 60
cggttgggaa tgtgcttggc gctgacctg cgggcactct actggtcttc cagctcagga 120
aaaagaattt gaaagaggct tancgtgaag gggaaatcaa gaggaggttg tgatttggtc 180
gaagggtcct ggtttagtgc tgtaattgtc ttattatatt tttatatat atatttcttg 240
gagtaaacad ttt 253
```

<210> 887

<211> 406

<212> DNA

05920300.073404

<213> Homo sapiens

<400> 887

```
ctgaatcgcg cagaatttga agatcaagat gatgaagcca gagttcagta tgagggtttt 60
cgacctggga tgtacgtccg cattgagatt gaaaatgttc cctgtgaatt tgtgcagaac 120
tttgaccccc attaccccat tatcctgggt ggcttgggca acagtgaggg aaatgttggc 180
tacgtgcaga tgcgtctgaa gaaacatcgc tgggtataaga aaatcctcaa gtcccagat 240
ccaatcatat tttctgtagg gtggaggagg tttcagacca tcccactgta ttatatcgaa 300
gaccacaatg gaagacaaaag gcttctaaag tataccccac agcacatgca ttgcggagca 360
gccttttggg gccctatcac tccacaggga actggtttct tggcaa 406
```

<210> 888

<211> 172

<212> DNA

<213> Homo sapiens

<400> 888

```
aaatacaggg ttctaaaaag aaggaaaaaa cccagaacat cacatacttt taattatttg 60
taaaagcatt attctagttt tctaagtctt tatacttaaa aatgaaagca gtgtggaaaa 120
gaatccacat aagcaggtat catcagagtt tgcgcagatt agccaaaaca gg 172
```

<210> 889

<211> 479

<212> DNA

<213> Homo sapiens

<400> 889

```
ctgaggaagc tcttcatttg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgttgtgtaa tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacgtat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggc ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agataattgt tgggtggcatt 300
aaagaagaca ctgaagaaca tcacctaaaga gattattttg aacagtatgg aaaaattgaa 360
gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagact gtcattcaga aataccatac tgtgaatgg 479
```

<210> 890

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 29, 40, 139, 211, 351, 379, 559

<223> n = A,T,C or G

<400> 890

```
gctttttttt tttttttttt tttttttgna actaaaaaan aactttattt attgagggca 60
aggggatgca aacaatacaa aaatcaaaaag cttatctgggt atttaacttt tctttctctg 120
cttgtcaaat gagagttana ttttattttt acatttgcta agtgtcctga tctgtctatg 180
aaatccttct atgggggaag ctgtggggca nattccttaa gcgacccttt gggacaactc 240
ttatcaggga ggagcgaact gctcatttct gcctacttct ttcccttctg cttcatgtgt 300
actacaaaat agtcattgca tgcaatggtg agggccgcaa ttagggaana naagctctgg 360
aagcccactt tgccatctnt acactgggtcc aggtccttca ttattttgtc cacagccaga 420
```

gggtcttttt gattttccaa aaatccaggg aactcctttt ccatgagtac tctcaggtcc 480
 tcctttgtta agtagccttt atccccagcg aatttgtgaa atgtaaacad catggtttcc 540
 atggcgtgtt ccatttgana tggcattttg g 571

<210> 891
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 891
 aaaaagtgtt tcagatatatt ctctaattat gtacaaccta aaatggttgt gttttgtatg 60
 gatcacaagt gcagcattcc ttaattcctt ctgctatatg tcacacagtt gttatttggc 120
 gaaccaagta tgtattgcat gaaaacatta tgactttttt ctcttagttt 170

<210> 892
 <211> 563
 <212> DNA
 <213> Homo sapiens

<400> 892
 aaatgccatg atccaggatg gatttttagat cttgttgaaa gcagccacat ccatggactg 60
 cacatagtc tcaaaagcag tgatctgctc ctccagcata tctgttccaa ctttatcatc 120
 ttcaactaca cactgtattt gaagtttctt aattccgtat cccactggaa ctagttttaga 180
 tgagccccag actaagccgt ctgcttgaat gcttctgacg cactcctcta atttcgccat 240
 atctgtctca tcatcccaag gtttcacatc tagtaagatg gaagacttgg caacaagtgc 300
 aggttttttg gctttctttg attcatattg tgcaagacgt tcttccctta gcctctttgc 360
 ttcttcaact tctcctcat catcagatcc aaagaggtca atgtcatcat catctttact 420
 atctgtagct ccacttcttg tagtgtcttc cacatcgga ggaccatatt tgcccaaagc 480
 tttcttcaact cctggcaggc tggccttttc cttttcgtaa gacttgatgt gattatacca 540
 acgtagggca tgacacaagt cgg 563

<210> 893
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 893
 gcaaaacccc actctgcac aactgaacgc aaatcagcca ctttaattaa gctaagccct 60
 tactagacca atgggactta aaccacaaa cacttagtta acagctaagc accctaata 120
 actggcttca atctacttct cccgccgcgc ggaaaaaag 159

<210> 894
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 290
 <223> n = A,T,C or G

<400> 894
 aaatgtgtgg aacaatgcta catctacact tggttggctt aatcaacctc ttcaatggtg 60
 ggccctgagg aagcaccacc agagggagga gctccaccac caggaaatcc cccaggcatt 120

09920300-073101

```
<210> 895
<211> 342
<212> DNA
<213> Homo sapiens
```

```
<210> 896
<211> 552
<212> DNA
<213> Homo sapiens
```

<400>	896						
atgctaaact	gtgaaaaatc	agatgaattg	ataaaagagt	tccctgcaac	caattgaaaa	60	
gtgttctgtg	cgtctgtttt	gtgtctgggtg	cagaatatga	caatctacca	actgtccctt	120	
tgtttgaagt	tggtttagct	ttggaaagtt	actgtaaatg	ccttgcttgt	atgatcgtcc	180	
ctggtcaccc	gactttggaa	tttgcaccat	catgtttcag	tgaagatgct	gtaaataggt	240	
tcagatttta	ctgtctatgg	atttgggggtg	ttacagtagc	cttattcacc	tttttaataa	300	
aaatacacat	gaaaacaaga	aagaaatggc	ttttcttacc	cagatttgtt	acatagagca	360	
atgtttggtt	tttataaaagt	ctaagcaaga	tgttttgtat	aaaatctgaa	ttttgcaatg	420	
tatttagcta	cagcttgntt	naacggcagt	gtcattcccc	tttgactgtt	aatgaggaaa	480	
aaatggtata	aaaggttgcc	aaattgctgc	atatttgtgc	cgtaattatg	taccatgaat	540	
atttatttac	ct					552	

```
<210> 897
<211> 162
<212> DNA
<213> Homo sapiens
```

```
<210> 898
<211> 343
<212> DNA
<213> Homo sapiens
```

```
<210> 902
<211> 256
<212> DNA
<213> Homo sapiens
```

<400> 902

```

ggccctcccc caactggtga agaggatata gcagaaaaag atgagttgta gacactgatc 60
tgctagtgtc gtaatatgtt aaatactgga ctcaggaact tttgttagga aaaaattgaa 120
agaacttaag tctcgaatgt aattggaatc ttcacctcag agtggagttg aaactgctat 180
agcctaagcg gctgtttact gcttttcatt agcagttgct cacatgtctt tgggtggggg 240
ggagaagaag aattgg                                     256

```

<210> 903

<211> 362

<212> DNA

<213> Homo sapiens

<400> 903

```

ggacagggag gaatcctggc tcagcgggag tttgacaggc gattctcccc tcattttctg 60
gactgggcag cctttggggt catgaccctt ccctccatcg gcatccccct gctattgtgg 120
tactccagca agaggaaata tgacactccc aaaacgaaga agaactgatt ggggcttcca 180
cagccctcct ctcccaagaa atccaggctc ctctcccaag aaatccagggt gctttccaga 240
ctccaaaggg tatcttaaat gcaatctctt ctctcttagc ccttagccac tttctcctgg 300
atcctgccct gctctcagcc atagtgaagg accagcccta ggagtctgcg agagcctcct 360
tg                                     362

```

<210> 904

<211> 419

<212> DNA

<213> Homo sapiens

<400> 904

```

aaacttcaaa agactggctg ccagggacca cagtgaaaaa ttagacctgg agccaatgaa 60
aaacactagc ttggaaggaa tgggtttttc caaaaatgca aaattagcat ttacagatgc 120
ttaggatact atgatttgac aggcttacag tgataaaaca acaaagatga acagttacaa 180
tatttatacg tgtagtgtgt aaagaacaca ggttttttta ttggcagcaa gaaattctat 240
gacagcttct gagacaagta atcctatgcc ctatatccac cccatgccaa tgacgaccag 300
tcaaaatggg aacacagagt aaaaagtgat ctactgtatg tgagtcagaa agtacttgaa 360
aagtgcacaa actgtatggt attaaatgac aaaacatatt tagaggcttt atttaaaaa 419

```

<210> 905

<211> 238

<212> DNA

<213> Homo sapiens

<400> 905

```

ccaaaagttt agcatattct gcagcctctt ctttatTTTT cttggtacgc tgcttcttca 60
gagcaatacg ccgccgtttg tgctgcagga cacgtggagt aacaagacgc tgaatcttgg 120
gtgcttttgt cctaggtttc ttaccttctt tatttaaggg ctttcttaca acatactggc 180
ggacatcatc ttcttttagag agattgaaaa gtttgcggat tctgctagct cttttggg 238

```

<210> 906

<211> 411

<212> DNA

<213> Homo sapiens

<400> 906

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ctggtcctct ccccatatgt cacactctcc tcagcctctc ccccaaccct gctctccctc 60
ctccctgcc ctagcccagg gacagagtct aggaggagcc tggggcagag ctggaggcgg 120

```

```

gaagagagca ctggacagac agctatgggt tggattgggg aagagattag gaagtagggt 180
cttaaagacc ctttttttagt accagatata cagccatatt cccagctcca ttattcaa 240
catttcccat agcccagctc ctctctgttc tccccctact accaattctt tggctcttac 300
acaattttta tccctcaaat attcatccct ggcccaacca gtcccctgag cctccctctg 360
gtggagactc ctccacccat gagctcccca gagcatccaa gacagagtgc a 411

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```

<210> 907
<211> 595
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 558, 580
<223> n = A,T,C or G

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<400> 907
aaaaactgca ttactgaatt taacaaaagt cagacactag aatcatatat ttgctgcata 60
aaagttgatt tgatacctgg tgggtgattga atttagtctc aaagactcat aaataaaaat 120
ctgacttaag acgtagtcat accagtatac caattctccc atcactttga ctttcggcag 180
agagattaga gcaaaaaata ttcaggagaa cagtggagtt acattgtatt atgtatgttt 240
aatataatat caattttaag gttaagggtta aggaaatctt aattttaagg ttaaacccttg 300
agtactagtt atagaactta atattcctgg ttaaagagta agttaactgg gttattatgt 360
ggccttggtt gaagaccata aattatgcat ttatgcattt gtggttgctt tggttctcaa 420
tacattgaat atgcatagcc ccttctagaa atatatatag tgagaaatct gtaaaatggg 480
ggagttagac taagtgtgaa ctaaaatctt cccactgtgt acaggacaca tcagctgaga 540
gcaaatcagt ttttatgntt actcagcacc atcctcactn aaaactatta ttttt 595

```

```

<210> 908
<211> 601
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 4
<223> n = A,T,C or G

```

```

<400> 908
cgantactat agggcgaatt gggccctcta gatgcatgct cgagcggcgg cccgggcagg 60
taaaaagtat cttgatgggt cttttctatt tataatttca gactttcata aagtgtacca 120
agaatttcat aaatttggtt tcagtgaact gctttttgct atggtaggtc attaaacaca 180
gcacttactc ttaaaaatga aaatttctga tcatctagga tattgacaca tttcaatttg 240
cagtgtcttt ttgactggat atattaacgt tcctctgaat ggcattgata gatggttcag 300
aagagaaact caatgaaata aagagaatat ttattcatgg cgattaatta aattatttgc 360
ctaacttaag aaaactactg tgcgtaactc tcagtttgtg ctttaactcca tttgacatga 420
ggtgacagaa gagagtctga gtctacctgt ggaatatgtt ggtttatttt cagtgttgga 480
agatacattc acaaatactt ggtttgggaa gacacogttt aattttaagt taacttgcac 540
gttgtaaatg cgttttatgt ttccagggag cctcgaatct tcagtctctc agagaccaca 600
g 601

```

```

<210> 909
<211> 186
<212> DNA

```

D55E0300.D3104

<213> Homo sapiens

<400> 909

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ccagcagttc ctctttgcct tatatttggt gtacgcccgg ccagccttca agatggggtt 60
gtcaattcgg ccacctccag ccaccacacc aaccacagct ctggtggctg aggagataac 120
cttcttgagg ccggaggggca gcttcacacg ggtcttcttg gtctcagggt tgtgggagat 180
aacggt 186
```

<210> 910

<211> 385

<212> DNA

<213> Homo sapiens

<400> 910

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ccagggagga cggagacttt gacctactcc acatggagag gcaaccatgt ctggaagtga 60
ctatgcctga gtcccagggt ggcgcaggta ggaaacattc acagatgaag acagcagatt 120
ccccacattc tcatctttgg cctgttcaat gaaaccattg tttgcccato tcttcttagt 180
ggaacttttag gtctcttttc aagtctcttc agtcatcaat agttcctggg gaaaaacaga 240
gctggttagac ttgaagagga gcattgatgt tgggtggctt ttgttctttc actgagaaat 300
tcggaataca tttgtctcac ccctgatatt ggttcctgat gcccccccaa caaaaataaa 360
taaataaatt atggctgctt tattt 385
```

<210> 911

<211> 467

<212> DNA

<213> Homo sapiens

<400> 911

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ctggccccc cgtggagaga gatgggggaaa aggaggcatc gcagaggaaa tgtgatttca 60
tgtgtgacaa acagtggcaa aacaacactg gctaagaatt tgcagaaaca cctcccaaat 120
tgcagtgtca tatctcagga tgatttcttc aagccagagt ctgagataga gacagataaa 180
aatggatttt tgcagtacga tgtgcttgaa gcacttaaca tggaaaaaat gatgtcagcc 240
atttcctgct ggatggaaaag cgcaagacac tctgtggtat caacagacca ggaaagtgtc 300
gaggaaattc ccattttaaat catcgaaggt tttcttcttt ttaattataa gcccttgac 360
gctatatgga atagaagcta tttcctgacg attccatatg aagaatgtaa aaggaggagg 420
agtacaaggg tctatcagcc tccagactct ccgggatact ttgatgg 467
```

<210> 912

<211> 435

<212> DNA

<213> Homo sapiens

<400> 912

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gatttgggtga agtacctttt ggctaaagac caggcgaaga ttcccatcaa gcgctcggac 60
atgctgaagg acatcatcaa agaatacact gatgtgtacc ccgaaatcat tgaacgagca 120
ggctattcct tggagaagggt atttgggatt caattgaagg aaattgataa gaatgaccac 180
ttgtacattc ttctcagcac cttagagccc actgatgcag gcatactggg aacgactaag 240
gactcaccca agctgggtct gctcatgggtg cttcttagca tcatcttcat gaatggaaat 300
cgggtccagtg aggctgtcat ctgggagggtg ctgcgcaagt tggggctgcg ccctgggata 360
catcattcac tctttgggga cgtgaagaag ctcatcactg atgagtttgt gaagcagaag 420
tacctggact atgcc 435
```

<210> 913

<211> 332

05920300.073104

<212> DNA
<213> Homo sapiens

<400> 913
aaatctggga tataaattaa agatcatatg cacagatcaa tttatgttct tgtaataaac 60
ttattagaaa ttggtgtttg tgatagcatt ttacttgggt tactagagat gcttctagta 120
gaccttaatc tagcatagtt gaacctctga atatgggaag gttgtattcc cagattcttt 180
cctgaataga tttgaattta atgtcatttg ggaactccag ggtgagttta ttgactaccc 240
aaactgtatt ttaccaataa atatgcatat gatctttaat tattgaagaa aataaagtga 300
ggacttaaaa caattcatga aagtggacct tt 332

<210> 914
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 364, 365
<223> n = A,T,C or G

<400> 914
ccaaaacaaa ggggctacag gccccatgca agccccaat ccagcggggc agtccttaaa 60
tcttaaagca ccaaaaggat ctcccttggc ttcattgtct acacccaggg cactctgata 120
caaggggttg gctcccatgg ctttgggcag ctccctcgca ggctggcatt gagtgcctgt 180
ggctattctg ggcacacatt gcaagctgtc agtggatcta caattccggg ggctggagga 240
cagtggccct tttccacag ctccactagg cagtggccca gtggggactc tgtgtgggga 300
ctccaacccc acatttccct tccacactac cctagcagag gtccctccatg acaccttgat 360
ttcnnatttc taccctccag aactataaaa gaataaattt aagctactca gtttgtggta 420
ctttgttaca acagcactag gaaactaata tagtttattt tctgaatt 468

<210> 915
<211> 519
<212> DNA
<213> Homo sapiens

<400> 915
ctggctgggc tttcgttgcc atggatacca aggatatccc tcagatttta caacagatct 60
tcacctccac catgttgctg agtgtctaag aagtgcctt catcacctg atgacaccag 120
gatttgaaat aagacaggaa taaagagtat tctgaaaaaa agaagatatg gatgaagtga 180
acctatgcag tgactggatg attccggcat tccctgggtct tcctacactt gctccgtaat 240
gagaattcag agaagcagcc agaaggagac ttaaaccatgg aaagatactc cactgatgag 300
tttagaagtg attagggcaa gctagttgac ctgcacttta tcaaagggtg gggttaaagg 360
aaggtgggtt tgagaactat gtgtttggc tatttccaaa aacctgaggg ggagaaaata 420
ctttgctttt gccttaacac atcatctggg caggttagaa aagtgacccc atcaaactga 480
gcctttgatg tcacattctg acacaagatg caagctctgt 519

<210> 916
<211> 392
<212> DNA
<213> Homo sapiens

<400> 916
ccttaaccct tgccctggga gcccccaagg ataataacat ccctttctgg ggcaacaaaa 60

ctgggaccga gtgggtaact gatatttgac aggggaacct aaacagtcta cggaagtgtc 120
 ctgagatggg cgtaaagtca aacagaccaa gcacacaggt aacactgaaa taggaaagag 180
 taagagcttc tgttcaggct ggaggtgctc gtatgggtggg acaggaaagg ggaaaagaga 240
 aaggggcaac atggcagaca taccacggtt cctacagaga ttaggggcag ccctggccccg 300
 ggaagtacac agggcagaga gctgactctc aggtcaggaa ggagttagc tctgacccat 360
 cctcaggggac cacggctctc ccccgacctc ag 392

<210> 917
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 917
 ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
 cgagctgccg gcagaagctt ctcccagggt ctcttgagat ttatgatata gatgccaatca 120
 cttttccttt tatagatgta ctgttccatc tggaaagtaa gattgggtgcc acctaagtgg 180
 gttcctgctg caaggaactt aaggacatcc tcctccttca tttgcaggac atcaagggtct 240
 ccggacattg tga 253

<210> 918
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 918
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 agggtcactt gggcgccgga tatgccagct tccgactctt caggactgac cacttgtgcc 120
 gctttatggg ttagaccagg ggcaccagca gagccatcat catcaacatc ttgagcccca 180
 tgcgttttctg atggctgtgc tctggctcag atgcccagcg caggaagggtg cacacatcct 240
 tggctatctg ggacatggta gctgggggtgc catcgtcaaa ctctaagaca tctgtgtaga 300
 tgggaggggc catggcaatg gcct 324

<210> 919
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 919
 ccagaaccaa ccaggagctg caggaaatta acagagtcta caaggaaatg tacaagactg 60
 atctggagaa ggacattatt tcggacacat ctggtgactt ccgcaagctg atggttgccc 120
 tggcaaaggg tagaagagca gaggatggct ctgtcattga ttatgaactg attgaccaag 180
 atgctcggga tctctatgac gctggagtga agaggaaagg aactgatgtt cccaagtggg 240
 tcagcatcat gaccgagcgg agcgtgcccc acctccagaa agtatttgat aggtacaaga 300
 gttacagccc ttatgacatg ttggaaagca tcaggaaaga gggttaaagga gacctggaaa 360
 tgc 363

<210> 920
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 920
 aaatctgtgt atgtgctcta tcacatttat tacttgtgta tattaaatca tcctgcatt 60
 aatggcatga aaccacttg atcatggtgg attttctttt tgatatgttg ttgaatttgg 120

ttcattagta ttttcttgag gatttttgca tctatgttca tcagggatat tggctctgtag 180
 ctttcttttt tgttatgtcc ttccctgggt ttgatattat ggtgaaactg gcttcataga 240
 atgatttggg ggaggattct ctctttttct atcttttga atagtgtcaa taggattggg 300
 accaattctt tgaatgtctg atagaattca g 331

<210> 921
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 921
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 attactccgg tctgaactca gatcacgtag ggctttaatc gttgaacaaa cgaaccttta 120
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga t 201

<210> 922
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 922
 tcatgaactt cgcatacaaaa gacaattctt tataacaacag tgctaaaaat gggacttctt 60
 ttcacattct tat 73

<210> 923
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 923
 aaagcaagtc accttagggg ggctttaatt gtataagtca agcacatgta ataaattcaa 60
 aacctgtagt taacaggata ttagacatca atcctggtaa ccaaataatta aagattctct 120
 ttaaaaaaga ctgaacatgt ttacagggtt gaattaggct aaaaggctct gcagtggctt 180
 ttcatggccc ttcaaattgg aatggaacta ctgtactttg ccatttttct ataaatcagt 240
 attttttttt aattttgata tacattgtgt gaaaaaagaa aatggctaata aaactgtatt 300
 aaatcttaaa caatgtataa agattgtact tagccagttc aaagtgtata tttattcata 360
 atgaattata acagttatat ttttgtgttt tcttgtaaat gtttcttttc ccttaaatac 420
 agataattca tttgtattgc ttattttatt atgagctaca acaaaaggac ttcaggaaca 480
 agtaatgtat tagtatgggt caagattgtt gataggaact gtctcaaaag gatgggtgggt 540
 atttt 545

<210> 924
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 924
 ctgcttactt cagtctgggt tcttcaacca aaatatgtac cttataccaa aacaatgctt 60
 attccaaaat attttttgta gctagtagtt ctttccttgg aggtaaagaa aatacaccca 120
 aacttttaat taccaggatt cagaatattt aagagaacaa ttttagttaa gaatcaaata 180
 tacagagatt caaagagggg aaaaaaagga aatattatag aagacaaagg tcaaaactggc 240
 attccagatc tggagcaatt ttgtaaagca ggaaaacaac tatgacaatc tgtagcttct 300
 tagatcatta tagtgaatgt ccccatctac tataagtgtt tttataatgg tgtttcctaa 360

05920300.073101

ataaaggaac ataaatgtac actaaagggt gtttcccaag aatagagggtg aagatatattt 420
catttt 426

<210> 925
<211> 372
<212> DNA
<213> Homo sapiens

<400> 925
ccttagggcg ggaacacttt tcaacccaag ccaggcttca ggggcaagcc caccaacaga 60
ccccaatttc cacaggggag gcagatcttc tatacctaca gtgacagaaa atacactaaa 120
gtgcagtata aaatataaaa aggtttgatt ctgaatagac caactgctaa ttttccttaa 180
aaaaattttt aatttggttg agtaaaaacc aaattagttc actgaatctc attttgtagg 240
taagagtctt atttgcaata cgaaaactgg agcttatgac tgctttgatt ttctctgtag 300
cacaggataa ccagtattag tggagaacac tacaaaagggt ggcttgtggt gagtcttttg 360
catagtgggt tt 372

<210> 926
<211> 64
<212> DNA
<213> Homo sapiens

<400> 926
ccaattgggt tcaccgtctg ggggggctgc ttattagtct cctggactag gggggcaaaag 60
agat 64

<210> 927
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 277
<223> n = A,T,C or G

<400> 927
ctgcggtgcc cggtactgca ctgtgcgctg tctggggacc caccaggaga ccagggtgtct 60
gaagtggact gtgtgagcct gggcattccc agagaggaag ggccgctgtg cactgcccgg 120
ccttcagaaa gacagaattt catcacccaa tgcaggggga gctcttcctg gaccaaggga 180
ggagccgctc attcacccaa caaaactgtg tcttatctgc caggaaagac cagcctcact 240
cctgggaact gtctggcagg taggctgggc ccccantgc tgtagaata aaaagcctcg 300
tgccggaaaa aaaa 314

<210> 928
<211> 261
<212> DNA
<213> Homo sapiens

<400> 928
ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat cagggttcgtc 120
ctttagtgtt gtgtatggtt atcatttgtt ttgaggttag ttgattagt cattgttggg 180
tggtgattag tcggttgttg atgagatatt tggaggtggg gatcaataga gggggaaata 240

gaatgatcag tactgcggcg g

261

<210> 929
<211> 495
<212> DNA
<213> Homo sapiens

<400> 929
gcttttttgaa aagtttaggt taaacctact gttgttagat taatgtatgt gttgcttccc 60
tttatctgga atgtggcatt agctttttta ttttaaccct ctttaattct tattcaattc 120
catgacttaa gggtggagag ctaaacctg ggattttttg ataacagact gacagttttg 180
cataattata atcggcattg tacatagaaa ggatatggct accttttggt aaatctgcac 240
tttctaaata tcaaaaaagg gaaatgaagt ataaatcaat ttttgtataa tctgtttgaa 300
acatgagttt tatttgctta atattagggc ttgccccctt ttctgtaagt ctcttgggat 360
cctgtgtaga agctgttctc attaaacacc aaacagttaa gtccattctc tggtagtagc 420
tacaattcgc gtttcatatt ctacttaaca atttaataa actgaaatat ttctaaaaaa 480
aaaaaaaaac ctgcc 495

<210> 930
<211> 88
<212> DNA
<213> Homo sapiens

<400> 930
ggcgaattca cttactgacc ggccctgggct gctctgagac atggaggaag ccagtgaagg 60
tggaggaaat gatcgtgtgc ggacctgc 88

<210> 931
<211> 460
<212> DNA
<213> Homo sapiens

<400> 931
aattaacagt gcgtatattgc ctgaagaagg tcagtgtgct tgcttggaga tcaggacgca 60
aaggtcacca tcagaaaagc taagtttgct gtatagttag gatcaggaga tctgatcctg 120
attgcagaac cttccctgat tacagaatct tggatgattt cacaaaagtt catcttcatt 180
gcagatacct gcctttcttt ctagggttga tctccactt cacccttcta gaccatccca 240
gaagatctat aagatttcat ctgggaaatc actaggagtt cttggaaggg aaagaaggaa 300
gattgttggg tggaataaaa acaggggtga atgagttcca gaaagcaggg ttctcaacct 360
cgtggacagc aatctgcaga agaagagaac ttcaaaaaac caactagaag caacatgcag 420
agaagtaaaa tgagagggggc ctctcagga aagaagacag 460

<210> 932
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 360
<223> n = A,T,C or G

<400> 932
ccttacaaat aatactccaa tgaatcagtc cgtaccaaga taccctaatg ctgtaggatt 60

05920300.073101

cccatcaaac agtgggtcaag gactaatgca ccagcagccc atccacccca gtgggtcact 120
 taaccaaagt aacacacaaa ctatgcatcc ttacacagcct cagggaactt atgcctctcc 180
 acctcccatg tcacccatga aagcaatgag taatccagca ggcactcctc ctccacaagt 240
 caggccggga agtgctggga taccaatgga agttggcagt tatccaaata tgcccatcc 300
 tcagccatct caccagcccc ctggtgccat gggaatcgga cagaggaata tgggccccan 360
 aaacatgcag cagtctcgtc catttatagg catgtcctcg gcaccaaggg aattgactgg 420
 gcacatgagg ccaaagtgtt gtcctgggtg tggccttgga gacccacaag caatccagga 480
 acgactgata cctgg 495

<210> 933
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 933
 gccgaagata tgctcatgtg gtgttgagga aagcagacat tgacctcacc aagagggcg 60
 gagaactcac tgaggatgag gtggaacgtg tgatcaccat tatgcagaat ccacgccagt 120
 acaagatccc agactggttc ttgaacagac agaaggatgt aaaggatgga aaatacagcc 180
 aggtcctagc caatgggtctg gacaacaagc tccgtgaaga cctggagcga ctgaagaaga 240
 ttcgggccca tagagggctg cgtcacttct ggggccttcg tgtccgaggc cagcacacca 300
 agaccactgg 310

<210> 934
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 934
 aaaaaaaggt aagaaaggct ttcaggagat ggtgagtttt attttgtctt gtctggatag 60
 aggt 64

<210> 935
 <211> 520
 <212> DNA
 <213> Homo sapiens

<400> 935
 agaagatggc tgtgccaccc acgtatgccg atcttgccaa atctgccagg gatgtcttca 60
 ccaagggcta tggatttggc ttaataaagc ttgatttgaa aacaaaatct gagaatggat 120
 tgggaatttac aagctcaggc tcagccaaca ctgagaccac caaagtgacg ggcagtctgg 180
 aaaccaagta cagatggact gagtacggcc tgacgtttac agagaaatgg aataccgaca 240
 atacactagg caccgagatt actgtggaag atcagcttgc acgtggactg aagctgacct 300
 tcgattcatc cttctcacct aacactggga aaaaaatgct aaaatcaaga cagggtacaa 360
 gcgggagcac attaacctgg gctgcgacat ggatttcgac attgctgggc cttccatccg 420
 ggggtgctctg gtgctaggtt acgagggctg gctggccggc taccagatga attttgagac 480
 tgcaaaatcc cgagtgacct agagcaactt tgcagttggc 520

<210> 936
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 936
 aaagattata gaggttgcca ctgaaagaaa aattttacac agtcactgta catcaaggtt 60

gaaaaactgt cctgcatgaa aaatatactt agaaatcatg tgaataaaaag aaaaaagaaa 120
acattattgt gtttaaggaa agattaaagt cctcataatg tgccatctaa atgtggatac 180
tcattcttct tggagtcgct aagatgtaga aatttcttgc ttctgccctt ttcactcatt 240
atactgtgtt ttttcccaac agtattcatt aaggcaaaca aatccctttc tgaagaggtc 300
ttaaggaaat tgtggacaaa gcaaactttt ggcattaaaa caggttaaca tatacaaagc 360
ctttgtaata tacattaagc atatttttct tggactagtg acaagaaaag atgaacatgc 420
ttgttaacaa tgtcaaaaag ttt 443

<210> 937
<211> 290
<212> DNA
<213> Homo sapiens

<400> 937
cgcaaaacta accccctaata aaaattaatt aaccactcat tcatcgacct cccaccccca 60
tccaacatct ccgcatgatg aaacttcggc tcaactccttg gcgcctgcct gatcctccaa 120
atcaccacag gactattcct agccatgcac tactcaccag acgcctcaac cgccttttca 180
tcaatcgccc acatcactcg agacgtaaat tatggctgaa tcatccgcta ccttcacgcc 240
aatggcgcc caatattctt tatctgcctc ttctacaca tcgggcgagg 290

<210> 938
<211> 363
<212> DNA
<213> Homo sapiens

<400> 938
cctatctggt tggccttttt gaagacacca acctgtgtgc tatccatgcc aaacgtgtaa 60
caattatgcc aaaagacatc cagctagcac gccgcatacg tggagaacgt gcttaagaat 120
ccactatgat gggaaacatt tcattctcaa aaaaaaaaaa tttctcttct tcctgttatt 180
ggtagtcttg aacgtttagat attttttttc catgggggtca aaaggtagct aagtatatga 240
ttgcgagtgg aaaaataggg gacagaaatc aggtattggc agtttttcca ttttcatttg 300
tgtgtgaatt ttaatatata atgcggagac gtaaaagcatt aatgcaagtt aaaatgtttc 360
agt 363

<210> 939
<211> 552
<212> DNA
<213> Homo sapiens

<400> 939
aaatttaaga cagttacatg tctttattac ataaacatca taatatttct cataggagtt 60
ggtcttcagt ttgcttggtg ctttcgcaga atgtcaaata tctatagaaa atgtctaatt 120
atztatgaac aaacattccc atccttgcgc cgcaaaaaat ctcatcgcc gcaattccta 180
accagattcc tgagaaaaat aataggattt attttatagc atcatacata gattttcttt 240
caagatataa aaaaggacag gcttctaaaa catgaatctc ctttcgttta caaagttcta 300
taaaaaataa ttaagtatgt tcaaatgttt gttctttcac tttatattcc agtttaccag 360
aaacaaaaaa tggcagtata taaagatatg taaccacat taatcttgca gtaatatatt 420
gtcaacatca tcatgaacac cttgcagaag cagctctcct ggatatgtta caatcttctt 480
tcgttttgca gctttaagag ttcctaccaa tgcttcaaag aggttggcac atttatcatc 540
acggaagagg ac 552

<210> 940
<211> 155
<212> DNA

<213> Homo sapiens

<400> 940

aagaaggtga tctaagggcc gcggcctcct ccacacacac acacacacca ggggaaccaa 60
gagaaccacg tagaatcctc aaccgtgcgg accatcaacc ttcgagaaat tccagttgtc 120
tttttcccag ccgcatacctg cctgtagatg gccgg 155

<210> 941

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 405

<223> n = A,T,C or G

<400> 941

ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
tccgcctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
agagaaaatc agttcgtggt tgcattgtgg atgcaaactc gagcgttctc aacttgggta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
tgggccccaa aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tccgccagta tggtgtaaga aagcccttaa ataaagaagg taagnaaacc taggaccaa 420
gcacccaaga ttcagcgtct tgttactcca cgtgtcctgc agcac 465

<210> 942

<211> 407

<212> DNA

<213> Homo sapiens

<400> 942

aaataaaaaa catttcaaat ttgtcacaaa taatttaggc caatacataa ctagatttga 60
ataaagtcag atgaagcaat aattcctcct ctgtgtttga aaggaatgag tgtggttaca 120
aagtcacagg atgagtcctt gggatctggg gtgggagaag gggtagatca agaagactt 180
gggcttgtca ctccctagca ggctgagggc gtgacacagc agctcgggtg cggagaggtc 240
tattctagtt tctaactctc caatgctaac tttttggatg tatttccttc tagcatgtag 300
aaagggcttt tcttggtgctc caggaagtag ggagcaggga tgtggcatgg tgatgatctg 360
aggacagcca ggcataatgct cagacacttt ggaaaactgg ggagggg 407

<210> 943

<211> 259

<212> DNA

<213> Homo sapiens

<400> 943

ccaagaagca gtggccttat tgcatcccaa accacgcctc ttgaccaggc tgccctccctt 60
gtggcagcaa cggcacagct aattctactc acagtgcctt taagtgaata tggtcgagaa 120
agaggcacca ggaagcgcgc ctggcgccctg gcagtcgcgtg ggacgggatg gttctggctg 180
tttgagattc tcaaaggagc gagcatgtcg tggacacaca cagactattt ttagattttc 240
ttttgccttt gcaaccagg 259

<210> 944

0906300.03404

<400>	948						
ccagcatatt	ttgcgagtac	tcaacaccaa	catcgatggg	cggcggaaaa	tagcctttgc	60	
catcactgcc	attaaggggtg	tgggccgaag	atatgctcat	gtgggtgttg	ggaaagcaga	120	
cattgacctc	accaagaggg	cgggagaact	cactgaggat	gaggtggaac	gtgtgatcac	180	
cattatgcag	aatccacgcc	agtacaagat	cccagactgg	ttcttgaaca	gacagaagga	240	
tgtaaaggat	ggaaaataca	gccaggtcct	agccaatggg	ctggacaaca	agctccgtga	300	
agacctgaag	c					311	

<210> 949
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 94
 <223> n = A,T,C or G

<400> 949
 ctgcaatcca tttatttcat ttacaaaaga tttattgtaa gcctctcaat cttgggttttt 60
 cagttgatct taagcatgtc aattcataaa aacnagtcac ttttgatatt ttcattcttta 120
 agaatgctta aaaaagctaa tccctaaaat agtttagatct ttgtaaatgc atattaaata 180
 ataaagtatg acccacatta ctttttatgg gtgaaaataa gacaaaaata atagtttttag 240
 tgaggatggg gctgagtaaa cataaaaact gatttgctct cag 283

<210> 950
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 950
 gaaaccttca ccgtgaagtc ctgtcctgat gccatcaaag aggtcttcga caataaatc 60
 cacatcatcg gcgcagtggt catcggcatt gccgtggtca tgatatttgg catgatcttc 120
 agtatgatct tgtgctgtgc tatccgcagg aaccgcgaga tggcttagag tcagcttaca 180
 tccctgagca ggaaagttaa ccca 204

<210> 951
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 951
 aaaaagctag aaccaatgat aatgatgca cttcagaaag aatccaagtt ccagaataat 60
 gtaattgtaa ttcctagtag cttaaagaat gaggttgtgt gtattttatt tttcttaact 120
 c 121

<210> 952
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 952
 cctcacttcc tgtagcttgg ggtgttattt aagcttctgc catctggccc acattaaaaa 60
 atgtatatgc tttttctcct gttaatctgt ctattgtcag cttgttttat agattcaaat 120
 tcttaaacct tcaaggtcta gaaaggaagt tcttctacc cctccaatag tataaagaag 180
 tggagccttt tggtaggtga tagagtcatt agggccctgc ctttaggcatt agagtttagtg 240
 cctttataaa agaggcccag gggggcttgt ttgcccttc tgccatgtga gaacacagca 300
 agacagtgcc atctgtgaag tagagagtga gccctcacga gatgtggaat ctgctggtg 359

<210> 953
 <211> 516

<212> DNA
<213> Homo sapiens

<400> 953
 aaatgactgt gctgcccctt tgcattcttac aaagttaaac agctaaaaga agtaaaataa 60
 gaaggcaatg cttgtggaat gtacagtgcg tattggcggc gcacgcctca ttacgattcg 120
 cctgcttgct tctcctgttc aatcgtttct ttggaaggca gtggattttt ctcttgcgtc 180
 tctgtcttct tcagtttcga cttatcgaat ttctcgatct cagccatata gggtttgtca 240
 gacatgggtg cggaggaaaa gcgaagcgag gcgcctgcct ttcccatctg tctatctatc 300
 tggctggcag ggaaggaaa aacttgcatt ttggtgaagg aagaagtggg gtggaagaag 360
 tggggtggga cgacagtga atctagagta aaaccaagct ggccaaggt gtccctgcagg 420
 ctgtaatgca gtttaatcag agtgccattt tttttttgtt caaatgattt taattattgg 480
 aatgcacaat ttttttaata tgcaataaaa aagttt 516

<210> 954
 <211> 555
 <212> DNA
 <213> Homo sapiens

<400> 954
 cctgacagac gcgggacagt atgagccctg ttctggagtg gaaagagcac gatagagcac 60
 caggctaaga ggcacgagat caaggcggta gtcacttccg ctctgcagct agcatttcaa 120
 ccatatgtgg atcctttcat ttctcagctc cctggattcc tccccctaaa ttaggacctt 180
 ttatttacct gtaggtaagc aagctactgt agctcttctg aggtatctgc caggctgttt 240
 tctgtagcct cagattgcct acctgcttag cctgagaaca ggtagatgaa aactaaactg 300
 atgcctaggc ccagggtcag tctcagatgg aagctgggcc tgggtgggga ggctagcatg 360
 cgtggctccc tgggtatttc tgtcagtcct catggcaagc agtgatttag taaaacaccc 420
 cagagtcagg gaagccaacc accttgaaac ctttagaaca tctctgcttt ggagaaagac 480
 ccagagatca ggcagagggt cagattcaat cattactcat aacctttgag agatggcaaa 540
 tgggaggagt gtttag 555

<210> 955
 <211> 173
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 54, 97, 119
 <223> n = A,T,C or G

<400> 955
 gctttttttt tttttttttt tttttttttt taggggaaaa taacttttat tganacccca 60
 ccaactgcaa aatctgttcc tggcattaaag ctcttnttct ctttgcaatt cgggtcttnt 120
 tcagtggctc catgaatgct ttcttctcct ccatggtctg gaagcggcca tgg 173

<210> 956
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 956
 ctgaggagac tccggcgctc gccatggccg acgaaaagcc caaggaagga gtcaagactg 60
 agaacaacga tcatattaat ttgaagggtg cggggcagga tggttctgtg gtgcagttta 120

agattaagag gcatacacca cttagtaaac taatgaaagc ctattgtgaa cgacagggat 180
 tgtcaatgag gcagatcaga ttccgatttg acgggcaacc aatcaatgaa acagacacac 240
 ctgcacagtt ggaaatggag gatgaagata caattgatgt gttccaacag cagacgggag 300
 gtgtctactg aaaagggAAC ctgcttcttt actccagaac tctgttcttt 350

<210> 957
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 957
 aaagaacatt tttattactt tcaagtttat acagtaaatct ggcacaagct attgccagca 60
 ttcttgccaa gtacaaatgc ttggacctcc ccttaataca cagataaaat acataactta 120
 catttaaggg gagggtgatac ctcaaagtgc ttaagtaaaa atttggtctc tttaatagtt 180
 tgaactgtcc cttgttagtc gtgtctaaaa cattgacctg aataatgaga aatcacaagc 240
 taatgtttta cttattcctt atatggtaag agactacctt tt 282

<210> 958
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 958
 ctgaatcaac tccaggtgcc cgtagtcgtg ataccaagag tagtagctgt tcaaacagat 60
 cacatccaca tacggagccc ccttgtctgc tgcatagtta gagggtgctca caaaggtcac 120
 aggccgggag ggggtccaagg atttggtgtg agcgatcacc atcttcaagt agtagccagc 180
 agattctagg tgggacgcag gctcgttgg 209

<210> 959
 <211> 576
 <212> DNA
 <213> Homo sapiens

<400> 959
 ccatctgac tataaatgag gtggcatcga caaaagaacc attgaaaaat ttgagaagga 60
 ggctgctgag atgggaaagg gctccttcaa gtatgcctgg gtcttgata aactgaaagc 120
 tgagcgtgaa cgtggtatca ccattgatat ctcttctgtg aaatttgaga ccagcaagta 180
 ctatgtgact atcattgatg cccagggaca cagagacttt atcaaaaaca tgattacagg 240
 gacatctcag gctgactgtg ctgtcctgat tgttgctgct ggtgttggtg aatttgaagc 300
 tggatatctc aagaatgggc agaccgcaga gcatgccctt ctggcttaca cactgggtgt 360
 gaaacaacta attgtcgggtg ttaacaaaat ggattccact gagccaccct acagccagaa 420
 gagatatgag gaaattgtta aggaagtcag cacttacatt aagaaaattg gctacaaccc 480
 cgacacagta gcatttgttc caatttctgg ttggaatggt gacaacatgc tggagccaag 540
 tgctaacatg ccttggttca agggatggaa agtcac 576

<210> 960
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 960
 aaaagaaaca tgaaatcata aagcaaagct aacagccaac caacaaatac cgcctagcaa 60
 tgatttccac tggatgtggg agagggttaa taaagacgct gttggtaacg cgtacagaac 120
 tatcactggc aatcagcata ctgagctatc cagtggaggc cagcatcgtg tttttgctaa 180

```

aatacatggt gtagaagtca taattcatag tgaagaatct caacaggttt tcttacagat 240
ttaattactc tcacacaaat aattcatttg gaaaccataa aagataccta tttacaccta 300
aactgcctgg ccttccagag cggggactaa aggggcaggg cggggaagaa agcgagcgtg 360
tcgcgggctc tgtgggggtg cagggtcact gttatittga tctgctgagc tcaaggactg 420
gaaacggaat aaaaatgcct actcgcctta ggcaggataa gaagttgtaa actcacccat 480
cagcag                                           486

```

```

<210> 961
<211> 324
<212> DNA
<213> Homo sapiens

```

```

<400> 961
ccttgccgcg tgccgaactg ctgaagaaag aaaagatcaa catccgcgtg ctggaccctt 60
tcaccatcaa gcccctggac agaaaactca ttctcgacag cgctcgtgcc accaagggca 120
ggatcctcac cgtggaggac cattattatg aagggtggcat tggtgaggct gtgtccagtg 180
cagtagtggg cgagcctggc atcactgtca cccacctggc agttaaccgg gtaccaagaa 240
gtgggaagcc ggctgagctg ctgaagatgt ttggtatcga cagggatgcc attgcacaag 300
ctgtgagggg cctcatcacc aagg                                           324

```

```

<210> 962
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<400> 962
ctgtcagggg cggcgtgcct ggtgatgagg catcttacct tcatcccat ctcagaatgg 60
gcagccagtc tcagattcaa ggaggaggaa tcttgagggt tggcggttcag tcttgaggta 120
gacctgaggt cccctggaaa ttgtgttgat gctgagatgg atgaggggtg ctattctctt 180
caggtagaca gtgaggagtc ctggttcagc cgagcctcca tgtctgcatg gatggttatg 240
accctgattg tttttggaaa cagccaagct ctctaggtgt actcagcaaa tgcaaggat 300
agtgggtcct gcatacccag ggtattattt gagccatgga agcaaaacag agactgctta 360
gcctccctaa gagtagttgg tgggagaggc cagcaaccat ggaggcagga gcagctcctc 420
tttgctctg agtagtcccc acatgttccc tcttccagag atttcaactg ccagg      475

```

```

<210> 963
<211> 202
<212> DNA
<213> Homo sapiens

```

```

<400> 963
cctagtacaa tcttggaac agggttactg tatactgaag gtctgacagt agctcttaga 60
ctgcctatc ttaggtagtc atgctgtgca tttttttttt cattggtgta ctgtgtttga 120
tttgtctcat atatttgag tttttctgaa aaatggagca gtaatgcagc atcaacctat 180
taaaatacat ttttaagcct tt                                           202

```

```

<210> 964
<211> 596
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 537, 590

```

F07E29 00000000

<223> n = A,T,C or G

<400> 964

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ctgagaagag tgaggcagcg cctccggccc ctctgtgac gcacagcact cctgtaactg 60
tctcagaacc actcctggag aaagacttcc ttgcaggagt gactcaagaa ttaatcaaga 120
ctcttgaaga caactctgaa aagtgggctg tgattcccga tgcaggggat ggtgtggtca 180
agccctcgtc tagagcagac cccgcccaga cctctgacac attagccttg aacaaccaga 240
tggtgaccca gaacaggact ccacacagcg tttgccacca gaaaccacaa gcaaaatctg 300
gatcttggga cctccaaact tatagcgctg accaacgcac aacaggaaac tgggaatctc 360
ataggaagag ccaggacatg aagaaaagga aatatgatcc atcttaactg aggctcaggc 420
cacataattg gactctgtca caaagggact ttggaaaact acttttttgt catgaaattg 480
ttcatcgctg ctggagaatg aacgtcattg caatttatct tgcttcattc tgaaccntta 540
tcaaaaggat ctgactgaga gccactgca gttagagctg agcacttttn aaaagc 596
```

<210> 965

<211> 400

<212> DNA

<213> Homo sapiens

<400> 965

```
aaattttaca ctttttctta agaattctaa tgccgtctta agtttttata ccaataatgc 60
tgagctttta gtgtaggatc tggtagtaca gacagtgtga tggatgatgc tgctgggtgt 120
aaatttcata gtgtgtgtct aatttttttt cctgttgaat gggtaaaaac aaaacaaaac 180
tttttttaga agatgaattt gctgtcatgt tttgtggaat gagggaccgt tgagctcact 240
accacctgga gtttgagttg aagcatgaaa atgggtgccc tgccctgacgc tccagcgcct 300
ggatctgcac gtgcccttgt agaggatcct taccgtccta gagagcagac gctttctgaa 360
aactacttgc tccaaaagac cctctgagtt aacgtttcag 400
```

<210> 966

<211> 268

<212> DNA

<213> Homo sapiens

<400> 966

```
ctgggggggt tctccagac caccggcctc ggccccggca tccctgttgg gcgtcagcct 60
gagagtcctt actgtgcgtc agaatccacc ttgcgtgctg tgcgtatctg tgaacctgga 120
gcggttactt attttgacag atatcacttt gggctttttt acattaaatt tcttttctct 180
aaggaatata agacataccc catagctctg tgtgagccag caataccgct gccccctggc 240
gacagggcag accaatgatg ccaggcag 268
```

<210> 967

<211> 544

<212> DNA

<213> Homo sapiens

<400> 967

```
aaaatactac atgacattct gtctattcaa tcacctgggt gtcattcttc ttgtactaat 60
taactgttga tgagcatttt ggatattcta ggagaaagcc tataatttca catagtttct 120
ctttttcatg taactgtaac cttaaattgtat tacttctgat aaaactatat atcaaatgtc 180
actgcaaat agttttatat ctgtcatgtg agatttgtct tacttatttt tcttttggtt 240
gccatggaag ttatggccct gaaaatcgtc tccctccctt tctcttgctg tacagcatgc 300
gttctctttt tgtggttgct ggctgggtac tgtatttaaat gaagtagaga atagcacttg 360
caaaaatata gtcttggtac cttagagactg tcatgcagat agtataattt ggtatatgtg 420
ctaattgcatt gagtaaagga ttattttaac acactatttt gcttttgtat tttagttaaa 480
```

09920300.03101

ataatcgatg gggatgtgta gcccccccggt gtgaggatga catcaccaca tttctagttt 540
catg 544

<210> 968
<211> 345
<212> DNA
<213> Homo sapiens

<400> 968
ctgacgtgga agccctgggt gggcgtcccc tggtctggcct ggcttttggg ttcaagtctg 60
tatgtatgga gtgggttggg gccccaaagc tttgctgcta ttgatttgtc cccgacagca 120
ggcaaagcct cacattgccc tcaattttcc ccttttcatt tgaaggacca gtttttcatg 180
gtacttgtct tgatcttttt catagtgttc aaatctgtat ttttgtatgt agaggggaaat 240
aatttttctca acactaatcg ttaataacta ttgtattaaa ttgtcatgaa ggaacttggt 300
taataaatgg acgtgtaagg aaaaaaaaaa aaaaaaaaaa aaaaa 345

<210> 969
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 31, 111, 114, 153, 293, 326
<223> n = A,T,C or G

<400> 969
ctgccccagg gcgttcgtaa cggaatgcc naagcgtggg aaaaagggag cgggtggcggga 60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ncnnaaagaa 120
aaatgacaaa gaggcagcat ggagagggcc canccctgta tgaggacccc ccagatcaga 180
aacctcacc agtggaacac ctgccacact caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggttaaag gaagaagccc canatatact 300
gtgccttcaa gagaccaa atgticanagaa caaactacca g 341

<210> 970
<211> 345
<212> DNA
<213> Homo sapiens

<400> 970
aaaccctgcg tggcaatccc tgacgcaccg ccgtgatgcc cagggaagac agggcgacct 60
ggaagtccaa ctacttcctt aagatcatcc aactattgga tgattatccg aaatgtttca 120
ttgtgggagc agacaatgtg ggctccaagc agatgcagca gatccgcatg tcccttcgcg 180
ggaaggctgt ggtgctgatg ggcaagaaca ccatgatgcg caaggccatc cgagggcacc 240
tggaatacaa cccagctctg gagaaactgc tgccatcat ccgggggaat gtgggctttg 300
tgttcaccaa ggaggacctc actgagatca gggacatggt gctgg 345

<210> 971
<211> 250
<212> DNA
<213> Homo sapiens

<400> 971
ctggagggct caccatgag ggacacgggt ggacacccac tgcttcacat gcctaattca 60

09920300.073101

cattagaaac atgtaaagcc attcagtctg tgcaatagag agatcctgta tgaaatccac 120
 tcattccttg gaggaagct ggcccggagg cacgctctgg ttgacgggtg acgcacagtc 180
 ctccagggcc tgcattgcat ccatgacaca gacacacgtg aacaccacgc ccgcccgtcc 240
 tagcagccag 250

<210> 972
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 972
 ctgtatagca tcttcactgt aaaggaggta agtaactccc taagctagca tgtaagtgc 60
 tgacattggg agaaaatata ttacaaagaa caggagctgg tttttgggtt tccttggtgc 120
 tgtgtttttg attgaaggga tgtgggatgg tggtagacaga agtctgagca tagtttctga 180
 ataattggag gggagatggg cattctttgg gactatgtcc gcattacatt gagttttctc 240
 cctctaggaa gagagagttt gtgttttatt ttctgtaagt aaaagctaca tgtttaggat 300
 tttt 304

<210> 973
 <211> 541
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 488
 <223> n = A,T,C or G

<400> 973
 gccgcgtccg ttcaccgcgg cctcagatga atgcggctgt taagacctgc aataatccag 60
 aatgactact ctgatctatg ttgataagga aaatggagaa ccaggcaccg gtgtgggtgc 120
 taaggatggg ctgaagctgg ggtctggacc ttcaatcaaa gccttagatg ggagatctca 180
 agtttcaaca ccacgttttg gcaaaacggt cgatgccccca ccagccttac ctaaagctac 240
 tagaaaggct ttgggaactg tcaacagagc tacagaaaag tctgtaaaga ccaagggacc 300
 cctcaaacia aaacagccaa gcttttctgc caaaaagatg actgagaaga ctgttaaagc 360
 aaaaagctct gttcctgcct cagatgatgc ctatccagaa atagaaaaat tctttccctt 420
 caatcctcta gacttcgaga gttttgacct gcctgaagag caccagattg cgcacctccc 480
 cttgagtnga gtgcctctca tgatccttga cgaggagaga gagcttgaaa agctgtttca 540
 g 541

<210> 974
 <211> 578
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 499, 503, 550
 <223> n = A,T,C or G

<400> 974
 aaaaaaaaaa aaagtcacca gcaagtagtc ccgggtggga ggtgggagca gaataaaaaa 60
 aatctgcaat gattcctaata tgtttttcaa tacagaagct tgggaagggg tttctgccag 120
 tttcatgagg aaggcacaac ttccaggtag tgttggggaa gggatatgagg tcctatgcag 180

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gctggcctct tatccacag atgccaagat gatgtctact ggcagctcct ccaaacttct 240
 ggctgtcacc tgcattgtca ctgtgtccaa aagcagcagc cgaggagcga ccaggatgtc 300
 atgaccaccc cggaacacac cagccaggag caacgtgtgg gtgttcttgt tatccggcac 360
 tttgtctgac ctctcacaag ggtgcattcc caagaacttc acaatattac ccacagcctc 420
 ttcaagtgtc ttgatggtag acaaggtgaa cgtttcctcc ttctcaaatt catcccctac 480
 ctcatcccag gctgcttcna aanttcagtt tcatgacctt ttgaatgtga tcagctacag 540
 taacttccan atcttccagc acatactcat cctcatag 578

<210> 975
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 975
 aaacctttat actcccctga atgaatttga agaacgggta acagtggcct ttatacgaac 60
 aatccaggca caactacaag agcgggaatga cccctcagcaa ctgctattag atgccaagca 120
 catgtttcct gttttgtttc catttaatcc atcttctcta accatggact caatccacat 180
 cccagcgtgt ctcaatctgg aattcctcaa tgaagtctga agatgcatgt ttccagcatt 240
 agtttgattc ccaatgtgag caagaaggaa gtatatacag taaagtaaatt tcaaggatct 300
 gttaaatctg gtaaaagtag atcaaatacag agattgacag cctgtggagg gtgctgaact 360
 atacagaatt agacacaact atgtcattat tttttgtacc tactgctcag aa 412

<210> 976
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 976
 ggcaggagaa tggcgcgaac ccgggagacg gaggttgcag tgagccgaga tcacgccact 60
 gcactccagc ctgggcgaca gagcgagact tcatctcaaa aaaaagaaaa aaaaaggat 120
 tcataaggta cctcgaggga tgatgaaatg agtaacttga caaatctttg gggcttggaa 180
 aagtctactc tacatcactt ggggcagggc atgacatagc atatatattgg gatacacatg 240
 cctgacagcc cagtcttcat ttgaggaatc tgggatcaat acatgatcca aatcttggta 300
 ctgtgggtct tgtatttggg tttccatgtg gatttcatct cggccagggc tggagttact 360
 gtccctgttc atgatggtgg tgctggtgac ctatggggca tcctaacttc cttcccaggc 420
 agatgtccct gctgcattgg 440

<210> 977
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 977
 ccgggcagggt ccataattta ttatctcacc acaaggcaca atacacagag ctttgagggt 60
 ccaatacagt catcgtgaca gaacgcaccg cagccttggc acatgatcat ggctttcagg 120
 ctgcacgcac actggagcga gatgctttcc accgtgctgc tgtcagtga cttttgcaag 180
 gaaagtgatg cactgtggct cgcaccaaaag tttgctttgt ggctcag 227

<210> 978
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 978

gccaaagagg tcgaagtgg tctggaaact ttggtggtgg tcgtggaggt ggtttcggtg 60
 ggaatgacaa cttcggtcgt ggaggaaact tcagtggtcg tggaggcttt ggtggcagcc 120
 gtggtggtgg tggatatggt ggcagtgggg atggctataa tggatttggg aatgatggaa 180
 gcaattttgg aggtggtgga agctacaatg attttgggaa ttacaacaat cagtcttcaa 240
 attttggacc catgaaggga ggaaattttg gaggcagaag ctctggcccc tatggcgggtg 300
 gaggccaaata ctttgcaaaa ccacgaaacc aaggtggcta tggcggttcc agcagcagca 360
 gtagctatgg cagtggcaga agattttaat taggaaaca 399

<210> 979
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 979
 aaacttgga agagtcataa ttctgggatg ttccacatgt tgtcagcttt aaccttctac 60
 agacacaggc cctctcctct gtgaggaggg acctctggca tglgtgggtg tgtggtgggt 120
 cctctccct attagcagaa atgtgttggg catgagccag gtttatgatt tggattgtgt 180
 cctgcacata acacctgtga gaatacaact gggactagga caatgcggga agcatattct 240
 tcatgaggcg gtaacaaaaa ggcttggcta taccaaagga ttctggtggc cgggcacggt 300
 ggctcacacc tgtaatgcca gcaacttggg aggccaaggc gggtagatca cttgaggtcc 360
 aggagtcca gccagcctg g 381

<210> 980
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 980
 ccacaaatgg cgtggtccat gtcataacca atgttctgca gcctccagcc aacagacctc 60
 aggaaagagg ggatgaactt gcagactctg cgcttgagat cttcaaaca gcatcagcgt 120
 ttccagggc ttcccagagg tctgtgcgac tagcccctgt ctatcaaaag ttattagaga 180
 ggatgaagca ttagcttgaa gcactacagg aggaatgcac cacggcagct ctccgccaat 240
 ttctctcaga ttccacaga gactgtttga atgttttcaa aaccaagtat cacactttaa 300
 tgtacatggg ccgcaccata atgagatgtg agccttgtgc atgtggggga ggaggagag 360
 agatgtactt ttt 373

<210> 981
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 473
 <223> n = A,T,C or G

<400> 981
 cctcctcaga cactctcaag aggatgggga gatgacacca cttgggtaca aacttatgaa 60
 gaaggtctct tttatgctca aaaaagtaag aagccattaa tggttattca tcacctggag 120
 gattgtcaat actctcaagc actaaagaaa gtatttgccc aaaatgaaga aatacaagaa 180
 atggctcaga ataagttcat catgctaaac cttatgcatg aaaccactga taagaattta 240
 tcacctgatg ggcaatatgt gcctagaatc atgtttgtag acccttcttt aacagttaga 300
 gctgacatag ctggaagata ctctaacaga ttgtacacat atgagcctcg ggatttacc 360
 ctattgatag aaaacatgaa gaaagcatta agacttattc agtcagagct ataagagatg 420

atagaaaaaa gccttcactt caaagaagtc aaatttcatg aagaaaacct ctngcacatt 480
gacaaa 486

<210> 982
<211> 448
<212> DNA
<213> Homo sapiens

<400> 982
ccagactcct ggaagagcag ggtcatgctg gctgggacac agtagagggg ttttatatct 60
ggagggtgat agggctgttc cctgctaccc tctgggatag tctgggaggt cggggagggc 120
tcgggtatga cgaaagatgt aatcctcggg tgtttccagt ccacagccac aatgctctcc 180
acccctttgc tcagctcctt cacctgtata atctgctcct gctgcatttg ctgcaggaac 240
ttagagagct tttttagctt tgacttcttt atgtccagtt gtcgtccttc ggggcagcag 300
gagaacatgt ggctgccaag gaaagtgtg gtgagtaaag ggaggtcagc ctttttgact 360
cggcacttca aggcattgta gaagcattgc tgtaacagct catccatttg ttcttgaagc 420
gttttgctat ctgtggagtc ttgggttca 448

<210> 983
<211> 476
<212> DNA
<213> Homo sapiens

<400> 983
ctgcatcacg gggaacacag catctcctgg atgcaggaag ctgcaagcat ctggaatgct 60
tattaattta cccacaaaat aaatacaaaa ggtcaatctt cccagtggaa atgattccat 120
cgatttttgt gactttctga tgagaatgct aaaaagaaga gttgcccctt ttctaaaatt 180
ccaaatcttt cttttttgaa gatgactaca tgtgaaagaa ataaaatgtg aaaagatttg 240
ttaaggatga ctggctctag taccaactaa atgccaaagg ggactgtaag tcaactgaggt 300
gacacaaagc agccatgggt ttctctcgcc ttttttatgg ggaaaatgca cttttcaatc 360
ctagaagata attggacttg gcaaagtccc tatcggtagc aactattttc ttactttaaa 420
aaaaaaaggg tgagctggga gccagactgt gcacatcagc caagattgct attgcc 476

<210> 984
<211> 333
<212> DNA
<213> Homo sapiens

<400> 984
ccacttggcc caggtagaag tagatgaagt gtttggtttc atgtgtcaca taactaccga 60
agttcctccc cacgatgcaa tgccagggtg gattgtactt cttgtcaaatt tcttctttga 120
tatgagccgc aatgtccttc tctatgttgt atttctccag cgctgagta gcgcaactcca 180
ccgagtcctg ttgcatctct tccgacatgt ccgcattttt gatcacggcc ttctgggtcg 240
acatggttac cgtggagaag ggggctggcc gactgcaacg gtctcctggg ggagggtgcta 300
gcacagctca ggcccggcta gagctaccgt cgc 333

<210> 985
<211> 181
<212> DNA
<213> Homo sapiens

<400> 985
gggttatcga atgggtggtga atgaagggtc agatgggtgga cagtctgtct atcacgttca 60
tctccatgtt cttggaggtc ggcaaatgca ttggcctcct ggttaagcac gttttgggga 120

taattttctc ttcttttaggc aatgattaag ttaggcaatt tccagtatgt taagtaacac 180
a 181

<210> 986
<211> 382
<212> DNA
<213> Homo sapiens

<400> 986
ctggccaaga accgcctcta tcaggccagt cagagagctg atgacatctt ggacctgaag 60
ttctgcatgg atggagttca gactgctttg aggagtgaag attatgagca ggctgcagca 120
catattcatc gctacttgtg cctggacaag tcggtcattg agctcagccg acagggcaaa 180
gaggggagca tgattgatgc caacctgaaa ttgctgcagg aagctgagca acgtctcaaa 240
gccattgtgg cagagaagtt tgccattgcc accaaggaag gtgatctgcc ccaggtggag 300
cgcttcttca agatcttccc actgctgggt ttgcatgagg agggattaag aaagtctctg 360
gagtaccttt gcaagcaggt gg 382

<210> 987
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 7, 33, 34
<223> n = A,T,C or G

<400> 987
tacgacncac tatagggcga attgggccct cttnnatgcat gctcgagcgg ccgcccgggc 60
aggctctgctc tagcacctga ctctctggta gtcagggtac caggagagagg gaggagcacc 120
agggtggggg atattttaggg gacctctttc ctccaggacc acacccttct aggtgaaagc 180
acaaacactt gattactttg cattccatct gcaaaaacag atttaggttt tgaatatggt 240
gaaaaacgaa gaaaggaaaa tataaaactc tgtattttat atacagtaag gaataatgga 300
ggctgataat gatcttgtga tcagctaaga caatgtcagt aagcaggtga ggtaggggtgc 360
tttctatggg caaaaggggc aatatcttga atgaccagaa atgactcgaa gagctgcatt 420
actatcatgg tagcatgcat gaagtgatac atctaaacct ttgctaacct aacattatta 480
ctctcaagct ttattatcct caaggcttaa atggctgtag ctgtttaatt t 531

<210> 988
<211> 183
<212> DNA
<213> Homo sapiens

<400> 988
ccttcttcaa cagcgactct aggaagagct cgagcgcccg ggagatgatg acaggcaccg 60
ccgccgccac ctccccaatc tcttcgtccg tctgcatgat cttcttgatc cgcgccggcg 120
ggaaccgcgc gttgtacttc ttcttcttgc tcggcatctc ggggcctctc tcgccgcgctc 180
ggg 183

<210> 989
<211> 350
<212> DNA
<213> Homo sapiens

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aaactgtcta	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaagc	ttgtacaaaa	cctacanact	60
tattttcttct	tggacacacc	cacggtgcgg	ccacggcggc	cagtgggtctt	ggtgtgctgg	120
cctcggacac	gaaggcccca	naagtgacgc	agccctntat	gggccgaat	cttcttcagt	180
cgctccaggt	cttcacggag	cttggtgtcc	anaccattgg	ctaggacctg	gctgtatttt	240

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ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta ctggcgtgga 300
ttctgcataa tggatgacac acgttccacc tcatcctcag tgagttctcc cgccctcttg 360
gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc cacaccctta 420
atggcagtgga tggcaaaggc tnttttccg 449
```

```
<210> 993
<211> 459
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 381
<223> n = A,T,C or G
```

```
<400> 993
ctggaacagt atatgaagac ctgaggtata agctctcgct agagttcccc agtggctacc 60
cttacaatgc gccacagtg aagttcctca cgccctgcta tcacccaac gtggacaccc 120
agggtaacat atgcctggac atcctgaagg aaaagtggc tgccctgtat gatgtcagga 180
ccattctgct ctccatccag agccttctag gagaacccaa cattgatagt cccttgaaca 240
cacatgctgc cgagctctgg aaaaacccca cagcttttaa gaagtacctg caagaaacct 300
actcaaagca ggtcaccagc caggagccct gacccaggct gccagacctg tccttggtgc 360
gtctttttaa ttttccctta natggctctgt cctttttgtg atttctgtat aggactcttt 420
atcttgagct gtgggtatatt tgttttgttt ttgtctttt 459
```

```
<210> 994
<211> 458
<212> DNA
<213> Homo sapiens
```

```
<400> 994
aggagggctc acagctcgaa gaaccatcat catcaagggc tatgtgcctc ccacaggcaa 60
gagctttgct atcaacttca aggtgggctc ctcaggggac atagctctgc acattaatcc 120
ccgcatgggc aacggtaccg tgggtccgaa cagccttctg aatggctcgt ggggatccga 180
ggagaagaag atcacccaca acccatttgg tcccgagacag ttctttgatc tgtccattcg 240
ctgtggcttg gatcgcttca aggtttacgc caatggaaac tctagatcag aattgttgac 300
ttgcattcag aacataaatg cacaaaatct gtacatgtct cccatcagaa agattcattg 360
gcatgccaca ggggattctc ctccctcatc ctgtaaaggc caacaataaa aaccaaatta 420
tggggctgct tttatcacac tagcatagag aatgtgtt 458
```

```
<210> 995
<211> 402
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 398
<223> n = A,T,C or G
```

```
<400> 995
ccagtttcag ttcttcagca gaactgtctc cttctttggg ggccgagggc ttcttgggga 60
agaggatgag ttggagcgg tactccttca gccgctgcac gttggcctgc agggactccg 120
tggacttggt ccgcctcctc ggatccacag aaatgccgat ggtcacctgc ccgggcggcc 180
```

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gcccgggcag gtaaaaaaaaa aattccagaa tgggtaagag aacaatcatc aaggatgtag 240
 gtgccagaca cagggcagaa ggtagctaga aaagtatgcc ttagggaagt taaaggtcta 300
 gcctcattcc taccttggtt taatagctgt acctaataa aatagctaag tttccattg 360
 ttctagattc ctctgcccc tctacaaaca tggcacancc ag 402

<210> 996
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 996
 ctgtttcaaa gttggggtct gttcttgaat cccctattaa ttactgtgtg tgagccagag 60
 ggagctgtgg taagggttgg gccccagcc tgtagggaac tttctggact cccactcttt 120
 gaatcgatat aggcatttgg tctcactact tgaccattct caccctgtga aacgtccac 180
 actttgaagc aaatacaatt cacagcacag tacacacaaa aaccttggca taagacagag 240
 aagggttcttc ttattttgtg ggctgggtgc tgtagaaaca cataacaaag ggagccctc 300
 cacttctggt ataattgtgt agcccccttt ctttgggctt gacacctgtc ttgaataaga 360
 gtgattagag ctgcataatg tccctctctt ggctattgac catgtgggtc acgtacaaaa 420
 ctctgtataa gttgaaggaa aatgttcatg ttcatatgta cttgtttgct atgactacat 480
 tttgagg 487

<210> 997
 <211> 529
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 411, 485
 <223> n = A,T,C or G

<400> 997
 cctgacattc ctgccttctt atattaataa gacaaaacaa aatagtgttg aagtgttgga 60
 gcggcgaaaa tttttggggg gtggatatga gagagaatgg gcgatgtttc tcagggctgc 120
 ttcaagtggg attggggcgg cgtgggaaca taaagtggga gagattaagc tgaagggaag 180
 tcttgtggta agggatgata ttgtggggat gttagaagaa acatttgtca tatagaatga 240
 ttggtgatgg cctggacaca gttttggatg aactgagaag ctaaatggaa gatacaaggt 300
 ctgaataaaa ggaggagaaa aatgggtatt aaaggactaa gaattgggag gacccaggac 360
 atccaattag agagtgccca aggggggttca gcgtaattac ttgcttgggt ngcaagtttt 420
 tgggctctat ccttgagttt ttttatgttg tcataacca ggccagactg atttaggtta 480
 aaacnacact cctcatttaa gaatatgcag agtcctcctt tttcagcag 529

<210> 998
 <211> 509
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 496
 <223> n = A,T,C or G

<400> 998
 ccaggctggg tttgatctcc tgacctcaag cgatccactg tctctgggct cccaaagtgt 60

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```

tgagattaca ggtgtgagcc accatgctcg ctgagagcag atatttgaaa tgtcactttg 120
agttctgaga aaaagtaaaa agccagaaga catactagat atataaatat attactgctt 180
aaaaagattt cctaaaaaga aatgtatcaa gtgtatgaat caaagtctga aagaaagatg 240
aagagccacc agacttctgg gtaggtttac atccatcatg ttcctcttga ctgcctttgt 300
ttgtcgttta gttttttgct ccactcaagc ctgttagaat caccatggaa tacagctcca 360
gtgggaaggc cactggagaa gctgatgtgc actttgagac ccatgaggat gctgttgcat 420
cgatgctcaa ggatcgggcc cacgttcacg ataggatat tgaactgttc ctgaattcat 480
gtccaaaagg aaatnagac tctaggggc 509

```

```

<210> 999
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 71, 90, 154, 157, 159, 197, 215, 247, 256, 269, 299
<223> n = A,T,C or G

```

```

<400> 999
tttttttttt tttttttttt ttttttctgg gaaaagtttc ttttaataaaa aagttctagt 60
acatatcacac nattgtcctc acccttcatn tatagcaacg caacagggaa aataaaaaat 120
aaggggcaac ctaggcacac tcagtataaa aacncanana tccatccgaa tgggagggcat 180
tgggggtctgg aaaccanaaa tgcaggacgg ccagngggcc cagcagctct gggctgcact 240
tttgaanaac tttctntaac gttttgaana tagcattaaa aaaaaaaaaat taagttgcnc 300
caggagg 307

```

```

<210> 1000
<211> 269
<212> DNA
<213> Homo sapiens

```

```

<400> 1000
ccaaacagaa gagaaggcag aggccaccca agagctgatg ctgcgcagtc cttgggggat 60
catcctccgg tctcactggg gacgaacca ggttctggag cctctcccct gacagacagc 120
ttgtcaccgg cacttatggg tcctctggga tticagacaa tacccaactt ctgtaggttc 180
agaaagtgtc ttcaagcagg cagtggcacc cacacccggt gggacacacc tcctgggtcc 240
gaaaccactc catcatgtgg ctggtgtgg 269

```

```

<210> 1001
<211> 469
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 248, 250, 256, 265, 414, 448, 462
<223> n = A,T,C or G

```

```

<400> 1001
ccatcaaggc agcaaatacta atgactccgg ggaagaagca gaaaaagagt ttatTTTTTgt 60
gtaaagggtca cccacgcaga agtcttctctg tgcagggtgc tttggtagcc atcagagagg 120
aaccaagggc aacatctttt cttcccaggc gttcttctct ggggtgcttta ttctcttctt 180
tttctttatt tcgccccac ccccatcccc tgcctttttt tttttttttt tttttttttt 240

```

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```

tttggganan aaacanatcc atttnttggg aatcaaagca catttgtttg gtcttcctcc 300
aaccctttgc atttgatttc taaacattcc ttcatatgcc tttaatgaaa gccagcaatt 360
atcccatggg ccctacttga atttatctga ggcagctaca gattgccctg caanatgagt 420
ttttggagat aaatgaaata actggacnca cactcacaca angtaacac 469

```

```

<210> 1002
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<400> 1002
ccagttgaat gggggaagct gctggcacag gaaggagagg cgatcccggc tgaggcttag 60
gaaattgctg gagccggctc caagcagata attcactggg gaggttttca gagtcaaaca 120
tcattctgcc tgtgttgggg gccagggtgtg tcacacaagc atctcaaagt caaaagccat 180
ctggggctgc tgcttctctt tctcaggctc tggggaaaagg aatctccctc tcctctcact 240
tgattccaag tgtgggttgaa ttgtctggag cactgggact ttttttctct tttccttgat 300
ggaccaacag tgcaaatgca atctcgccat ttaactttca ggtcgatttc ctttcctgat 360
cagacatctt tgtgccccct ttaggaagga aagaatacac ctacgatgtg ccaggcactg 420
tgttaggcgc ttttatatag atcctcgltt ggatgagact aagggatgag g 471

```

```

<210> 1003
<211> 323
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 184, 249, 251, 272, 287, 323
<223> n = A,T,C or G

```

```

<400> 1003
ctgtatgcgt ggtccacagg tgtcctttgc cttgggtagc ctttacaggc cgaatTTTTT 60
TTTTTTTTTT TTTTTTTTTT tttgagatgg agtccttgctc tgtcaccacg gctggagcgc 120
agtggcacga tcttggtcga ctgcaacctc cgccctcccg gttcaagtga ttctcctggc 180
tcancctcct gagtagctgg gattacaggt gcctgccaca cacctggcta atttttgtat 240
ttttagtana naaaaagggtg atggtgagga anaggatgga gatgaanatg aggaagctga 300
gtcagctacg ggcaagcggg can 323

```

```

<210> 1004
<211> 531
<212> DNA
<213> Homo sapiens

```

```

<400> 1004
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ctccaaataa atcacagtca aaataaatga agagctcaag atgacatcag tccattttgt 120
cttaagtctt ggtgttgtgt ggatgacaag cagaagccag ttatgatgac aggtgataga 180
tccaaaataa ttgccacatt tgttaacatt ttccatttc taaaccatcc ttaaagaaaa 240
tcatatatgg ggtcacacca tctcacggg agtccaatag agcaaccatg ccatctggat 300
tcatgttttc accaataaag aactggtagt ttttgaaatt agcaaggatg tgcttgattt 360
gtttctgcagt ccctgtcata aaagggttta ctctttctgg tctctgttct tcaagtttcc 420
ctttgattga tttcatgtaa tctttgatgt acttcttgta ggcttctttt gtgaaacttg 480
tttctgcag gtgatggttc atgacaatat cgacaccagt gattactgtg c 531

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<210> 1005
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 1005
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 gcaactgaag ggaggtttgt aggggccact aggacccctt ggagcatctt ggaggagggtc 120
 tgcggacatg ggggctgggt ggcaaaggaa atacagacct caaagtggcc tacaactccc 180
 tccagggtgg gtcccctcga gggatattcc caggcccctt ggaagggtaa ggcagggggg 240
 ctttgccctcc cagctttgtc ttccggtagt taaggcgctt gaaagcttcc aggtcccgtt 300
 ggggtgcccac gatcagccgg ttccaggttg agagctcaac gatgaggcca cgcacgacgt 360
 tgggtggcatc ctccatcctg gagg 384

<210> 1006
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 1006
 ccgaagtga ctggcccctg ggtcagttct gtgggaggac ggtgcaaccc aaggactgag 60
 ggactctgaa gcctctggga aatgagaagg cagccaccag cgaatgctag gtctcagact 120
 aagcctacct gctctccaag tctcagtggc ttcattctgtc aagtgggac tgtcacacca 180
 gccatactta tctctctgtg ctgtggaagc aacaggaatc aagagctgcc ctcccttgctc 240
 acccacctat gtgccaaact ttgtaactag gctcagagat gtgcacccat gggctctgac 300
 agaaagcaga tacctcaccg tgctacacat acaggatttg aactcagatc tgtctgatag 360
 gaattgtgaa gcacagactc ttactgtctaa cttttgtgta tcgtaaccag ccagatcctc 420
 ttggttattt gtttaccact tgtattatta atgccattat ccctgaattc cccttgccac 480
 cccaccctcc ctggagtgtg gctgaggagg 510

<210> 1007
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 1007
 cctgattcac tggcctggcg gagatgcttc taaggcatgg tcgggggaga gggccaacaa 60
 ctgtccctcc ttgagcacca gccccacca agcaagcaga catttatctt ttgggtctgt 120
 cctctctgtt gcctttttac agccaacttt tctagacctg ttttgctttt gtaacttgaa 180
 gatatttatt ctgggttttg tagcattttt attaatatgg tgacttttt 229

<210> 1008
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 1008
 aaagaaaaag acaaaagaaa gtggaagtgg tattccccac cctccctgc acccatgtgc 60
 ctgggcttcc cctttatttc ccttttccat ttaccccgta atgtgtctct acagctacct 120
 taccactgag ccgtaagaca aatgtatagg aagaagcaaa gtctacagca catagtcttt 180
 gtaagggtat gatgtgaaca cttttttttg gatgcactaa ggagttatca atacttctgg 240
 ctttatgaga gctcttaaat tttgtctaaa aaaccaaagg gctgtgagta agggagctat 300
 gtggaaagtg ggactctgaa gtgtattttg aaaattaatc gccaccctct tccaaattat 360
 agaatttttt 370

09920300.073101

<210> 1009
 <211> 559
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 499
 <223> n = A,T,C or G

<400> 1009
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 atcagtgaag aagatcaggc tgctgagctt cgtgcttatc tgaaatctaa aggagctgag 120
 atttcagaag agaactcggg aggtggactt catgttgatt tagctcaaata tattgaagcc 180
 tgtgatgtgt gtctgaagga ggatgataaa gatgttgaaa gtgtgatgaa cagtgtggta 240
 tccctactct tgatcctgga accagacaag caagaagctt tgattgaaag cctatgtgaa 300
 aagctgggtca aatttcgcga aggtgaacgc ccgtctctga gactgcagtt gttaagcaac 360
 cttttccacg ggatggataa gaatactcct gtaagataca cagtgtattg cagccttatt 420
 aaagtggcag catcttggtg ggccatccag tacatcccaa ctgagctgga tcaagttaga 480
 aaatggattt ctgactggna tctcaccact gaaaaaaagc acaccctttt aagactactt 540
 tatgaggcac ttgtggatt 559

<210> 1010
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 1010
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 catacttccc ccattattcc tagaaccagg cgacctgcga ctccctgacg ttgacaatcg 120
 agtagtactc ccgattgaag ccccatctcg tataataatt acatcacaag acgtcttgca 180
 ctcatgagct gtccccacat taggcttaaa aacagatgca attcccggac gtctaaacca 240
 aaccactttc accgctacac gaccgggggt atactacggc caatgctctg aaatctgtgg 300
 agcaaacacc agtttcatgc ccacgtcct 330

<210> 1011
 <211> 517
 <212> DNA
 <213> Homo sapiens

<400> 1011
 aaaaaaacia caacaacatt ttttcaacaa tttcaacaat gacacaaaaa ttcacatgga 60
 aatgggggaag atggtctgtt ttgacagaaa ctgacaggaa tcaatcaaaa caatcgaatt 120
 ttgaattgag taaagtgcga tttcatttga tagctaaata tctttgtaag atagagattg 180
 ttgaaaattc tatttttgtt tttctagtcc tttcacccca ggactctaaa ttattgggggt 240
 aaaaaacagc cttgcaagaa aaaggggagc tatttttgct ttttatgttt tttattgtta 300
 aacttgtatc cttttcacac cattaggtga tgctttggac agaacagagt attttcatct 360
 tgtgtttcca tcagaataac tacaagccat actgaggcgg cagcaggagc gaccaactga 420
 tcgcacacat gctttgtttg gatattggagt gaacacaatt atgtacaaa ttttaacttg 480
 caaactttct attgcctgtc ccatgtgcat cttattt 517

<210> 1012
 <211> 308

<212> DNA
<213> Homo sapiens

<400> 1012

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aaacttggca ttggctatct tcacacattc ctcaagcggt gtgatgaatg tggtacacgt 60
ggcactaagc agagaagagg cttcattcat gttctctgca ctaggagatg aatgattctc 120
atcatgggtga acaaattcct gtatcgtatg aacttgctgc attaagaggt cacagtagag 180
gcgaagttca gacatttttg ttttcagcga ttcactgggt tcacttattt ctttttcttt 240
tttagtcctt gtatcagtc aacatgcttt ggagctcccc agagcgacca gccacctctg 300
tctttcag 308
```

<210> 1013

<211> 422
<212> DNA
<213> Homo sapiens

<400> 1013

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ctgatttata atctttctaaa ggaagaacag accccccaga ataagattac agttggtggg 60
gttggtgctg ttggcatggc ctgtgccatc agtatcttaa tgaaggactt ggcagatgaa 120
cttgctcttg ttgatgtcat cgaagacaaa ttgaaggagg agatgatgga tctccaacat 180
ggcagccttt tccttagaac accaaagatt gtctctggca aagactataa tgtaactgca 240
aactccaagc tggtcattat cacggctggg gcacgtcagc aagagggaga aagccgtctt 300
aatttgggtcc agcgtaacgt gaacatcttt aaattcatca ttcctaattg tgtaaaatac 360
agcccgaact gcaagttgct tattgtttca aatccagtgg atatcttgac ctacgtgggt 420
tg 422
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<210> 1014

<211> 344
<212> DNA
<213> Homo sapiens

<400> 1014

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caagttcttg ttattttccaa atagaatgga cttgggtctgt taaggggctaa ggagaagagg 60
aagataagggt taaaagttgt taatgaccaa acatttctaaa agaaatgcaa aaaaaagtt 120
tattttcaag ccttcgaact atttaaggaa agcaaaatca tttcctaaat gcatatcatt 180
tgtgagaatt tctcattaat atcctgaatc attcatttca gctaaggctt catgttgact 240
cgatatgtca tctaggaaag tactatttca tgggtccaaac ctgttgccat agttggtaag 300
gcttttcttt aagtgtgaaa tatttagatg aaattttctc tttt 344
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<210> 1015

<211> 464
<212> DNA
<213> Homo sapiens

<400> 1015

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cctggggctg ttgagacggg agatgtcccc actgtgctgc tcctggtttt gtctcctctc 60
caatccttga gcaccctgat atgcaacatg gggggtaatc agaaggagga ggcagcctct 120
gatgaggcaa cggctgaggg tgggggcagt gtgtaaggca ccttttgcgg tcagcccggc 180
cacactccat cgccagagag aatgccaaag tgtagactga atgaaattct gtaggcaaat 240
ggtaaatggg agctggggcca gtagctatct gcatgggtgg attatatcat gttaagggaa 300
ttctttatct cagcagaggg aacagaggaa tatcttgggt aaggatcatc tgccagtcag 360
gagaagccac cctccaggga ccacagactc aaagtggctg tgggtggagac ccaccgcctg 420
ggtaggggga tgtcaagaca ctgagaggtt tccatctgca gtgg 464
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05920300.073101

<210> 1016
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 1016
 aaagttaacc acagcataat gaatcctcaa cgtccagagt tctacaaaaa tccagcaaaa 60
 cttacttttg ctcatcctc agttctatgt cactccttag tttccctaaa aaaatatggc 120
 ttataaaaa gtagcttcta taattcaca aatgaagagt ttattataa ttgagtatc 180
 atctctgtat caccgacagc acagctttag aaaattattg cttttcttat tatcttatta 240
 tttcagggtt cattacacat cgagtaccca tgcaggactc actacattgt ataataacta 300
 tgatctatag tgataaaaa atagaagtat ctttgatttt aatcctaaaa gcagggggaa 360
 aaagtcacct tatcttaatg ttaacaaaat caagagctac ccctaataa tcgatcaaac 420
 cacttcttat ggctttgctt atagttgctc atggctctt caaatgatg tggtagctac 480
 cttcttttct gacaaaggat tatttt 506

<210> 1017
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 1017
 ccacagaaag ttccataaac aagtgtactg ttttaaccaat tcccttctat taccacaaca 60
 atatgtaccc aggggtttat gtatacactt aagatttggg ggaatgcaaa aggggaaggg 120
 gactgttttag aatttccttg gaaatgtctg tgcacattac aacgtccac ggagccaaat 180
 tccttccaaa ctgatgagca agctcttgat tcttgagtca tgatgttatt ttcttcta 240
 ttttccgaac cgtctttgtt tgactggaca ccatattgac agcttcagat ggtaggccaa 300
 catatactcc tccatagttt ctctcttctg catcttctgt tacggattct tctgttacat 360
 ctttggtctg tcttgagggg ccttgggccc cgcccgcgct ggtggcgg 408

<210> 1018
 <211> 576
 <212> DNA
 <213> Homo sapiens

<400> 1018
 cctcctcaga cactctcaag aggatgggga gatgacatca cttgggtaca aacttatgaa 60
 gaaggtctct tttatgtcta aaaaagtaag aagccattaa tggttattca tcacctggag 120
 gattgtcaat actctcaagc actaaagaaa gtatttgccc aaaatgaaga aatacaagaa 180
 atggctcaga ataagttcat catgctaaac cttatgcatg aaaccactga taagaattta 240
 tcacctgatg ggcaatatgt gcctagaatc atgtttgtag acccttcttt aacagttaga 300
 gctgacatag ctggaagata ctctaacaga ttgtacacat atgagcctcg ggatttacct 360
 ctattgatag aaaacatgaa gaaagcatta agacttattc agtcagagct ataagaaatg 420
 atggaaaaaa gccttcactt caaagaagtc aaatttcatt aagaaaacct ctggcacatt 480
 gacaaatact aaatgtgcaa gtatatagat tttgtaatat tactatttag ttttttaaat 540
 gtgtttgcaa tagtcttatt aaaataaatg tttttt 576

<210> 1019
 <211> 602
 <212> DNA
 <213> Homo sapiens

<400> 1019
 cctgggactg atgcaagaca gccagccagt cacctccgcc tcccatgaac ctcttggaaa 60

05920300.073404

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acttctcctg tcccactttc gccaccctcc agtccttga gagagccaga gttgagaaga 120
aatgagcct gaagttgaaa gggaaagtgc ttgctgaaa cagtgtctgg aataagtcca 180
gaccatttcc ctcaagagcc acctcttcac tccttaagcc agaggacacc acaaagacac 240
agttaatggc ctctcatgcc actcctcagg tggcttgtga gggcagccag tgagggactg 300
caggatttca gggagtagc tcagatggcc cactcagaac ttctgtaaga atttgaggac 360
aaggtcccg c agtcgcactc tgagcatctc gtcattgtcg cagatgatat gggtcgagtc 420
ttcttcaatc tggatgagcg tctcagcctc ctggagcagg acgatatggc ccttggctgt 480
gtcctccacc ttaatatcac tgaagccatg ctgctccaga agaaaagaaa gaggtgggct 540
gggcagactg cacatctgtg agatctgtaa atgacacttc acagactcga ctgaactttc 600
ta 602

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<210> 1020

<211> 420

<212> DNA

<213> Homo sapiens

<400> 1020

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caaaaatcct tgaataacct gggcacagtg gcacacctat aatcctagca ctttgggagg 60
ctgaggcagg cggatcacct gaggttggga gttccagacc agcctgacta acacggtgaa 120
accccatctc taatgaaaat acaaaaaatt agctgggcgt ggtggcgggc gcctgtagtc 180
ccagctactg gggagctgag gcaggaaaat cacttgaact cgggaggtgg aggttgcagt 240
gaaccgagat tgcaccactg cactccagcc tggtagacagt gagactccat ctcaaaaaaa 300
caaaaacaaa acaaaaaaca aaaaaacact gacctgatat ccaagcttta tgtgaataaa 360
aatgtaactt accatcaaat agtcaataaa aaaaatatga aaatggacaa ggttattgaa 420

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<210> 1021

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 442

<223> n = A,T,C or G

<400> 1021

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ccaggagcta aacaatttga ggtcaagatg tggcgttaac aatgttccca cagatcacag 60
aaacacaagt ggacagcaga ggcccttctt gcactagtac ttctacctgg atggggcctc 120
agaggtctga ctttccacag gagaagaaaa tctttgagag ccaattttac tgctgggtgc 180
cgatgttttc ctcaactgtc taaataaaatc ttcagctaata aaacatttca ataaatctgt 240
tctgggtgct tccattcctt aaactataca gccagagaag atggaacata tgagcttggg 300
ttctgtctct gtagcggatg cagggatata agtgagctga gttttacaca ttccaaaggg 360
gccactgatc aggtacttgc ggatgcactc caagtgtcct ggctaattaa gataaaccaa 420
agattagacg gcatttctgg cnggggtgcag tggctcacgc ctgtaatccc agcactttgg 480
gagggccgagg caggtggatt actaggtc 508

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<210> 1022

<211> 166

<212> DNA

<213> Homo sapiens

<400> 1022

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cggccgagct gacgcaaaca tgcagatctt tgtgaagacc ctcaactggc aaaccatcac 60

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F07E2D"00E02650

ccttgaggtc gagccagtg acaccattga gaatgtcaaa gccaaaattc aagacaagga 120
gggtatccca cctgaccagc agcgtctgat atttgccggc aaacag 166

<210> 1023
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 390, 391
<223> n = A,T,C or G

<400> 1023
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attcaaacag gtccccgagg cgttttgaaa ttcattccaa ctgtaggctg agtgacctga 120
agggttgaca gactgccgaa gtccaaaagc ttcagcattt ccttagtgtc aggatctact 180
tcaataatct cctgatccaa ggctgagacc tcaggaacat aattgtctct cctttctctc 240
tcctcctcct gcagcttgat ggagatacct ctactgggc ctctctgaat tcgcttcac 300
agatgcgtga cataacctgc tatcttggtg cggagctttt tgctggggat aatggcgatc 360
tcctcgaca cgcgcttggt cgtgtggaan ntctgtgcc aggcgcgtgt agtacttttc 420
tatgatgacc cgggcccgcct t 441

<210> 1024
<211> 135
<212> DNA
<213> Homo sapiens

<400> 1024
cctgcccatt gccggcaatg gactttgaga aaacccattt cctggcacc aaagttaaa 60
ttactctttt caaacatac cgatctcccc aacacttgca aaagtattac atgcaccatt 120
ttcccacat tcttt 135

<210> 1025
<211> 340
<212> DNA
<213> Homo sapiens

<400> 1025
gtagaacact aattcataat cactctaatt aattgtaatc tgaataaagt gtaacaattg 60
tgtagccttt ttgtataaaa tagacaaata gaaaatgggc caattagttt cctttttaat 120
atgcttaaaa taagcagggt gatctatttc atgtttttga tcaaaaacta tttgggatat 180
gtatgggtag ggtaaatcag taagagggtg tatttggaa cttgttttgg acagtttacc 240
agttgccttt tatcccaaag ttgttgtaac ctgctgtgat acgatgcttc aagagaaaat 300
gcggttataa aaaatggttc agaattaaac ttttaattca 340

<210> 1026
<211> 234
<212> DNA
<213> Homo sapiens

<400> 1026
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120

05520300-073101

caagatcctg agtgacatgc gaagccaata tgaggatcatg gccgagcaga accggaagga 180
tgctgaagcc tggttcacca gccggactga agaattgaac cgggaggtcg ctgg 234

<210> 1027
<211> 519
<212> DNA
<213> Homo sapiens

<400> 1027
ctgtgtagta aagatgcctt ctggtgaatt tgcacgtata tgccgagatc tcagccatat 60
tggagatgct gttgtaattt cctgtgcaaa agacggagtg aaattttctg caagtggaga 120
acttggaat ggaaacatta aattgtcaca gacaagtaat gtcgataaag aggaggaagc 180
tgttaccata gagatgaatg aaccagttca actaactttt gcaactgaggt acctgaactt 240
ctttacaaaa gccactccac tctcttcaac ggtgacactc agtatgtctg cagatgtacc 300
ccttggttga gagtataaaa ttgcggatat gggacactta aaatactact tggctcccaa 360
gatcgaggat gaagaaggat cttaggcatt cttaaaattc aagaaaataa aactaagctc 420
tttgagaact gcttctaaga tgccagcata tactgaagtc ttttctgtca ccaaatttgt 480
acctctaagt acatatgtag atattgtttt ctgtaaata 519

<210> 1028
<211> 238
<212> DNA
<213> Homo sapiens

<400> 1028
ctgctaggag cccacctgtg ttcttcctga ggggtggggg caccctagtc actgcctaga 60
ggcacatggt cccccaccag cctacagcat ggaaacaccc aatgtctgct ctagcctatt 120
cttaaccac aactgggatg ggagctgggg acaggagaag gggatcatggg gccaggagcc 180
tattcaggct ctacaaccag acttccttag agaggccccg tgccagttag tccaatgg 238

<210> 1029
<211> 351
<212> DNA
<213> Homo sapiens

<400> 1029
ccagaatggg ctatgtgtca cagtccctcg ggacagcagt gcgtttgtgt gtgtgctgta 60
tgctcgtgtg tgtgctgtgc tcgtgtgtgt gctgtgttca tgctgtgtgt gtgtgtgtgt 120
tgtgtgtagc tgcgggggat cataaagtat gagtgtttt taggatggga attgagatgt 180
aagatttggg ggtgagggtc gtgccaatta catttcattt gcatggattt tggttttcat 240
gctctgtcct cccctccttt ggtcttactg ggtccctctg actgctctgt gatTTTTtagt 300
gatggaaaag ggagttagga gccagtctgg gttgttgcta ttttcggatg g 351

<210> 1030
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 517
<223> n = A,T,C or G

<400> 1030

05920300 "03401

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 atgtaatgga gcttatgggt agaagaccat gtctactaat tacaaaaaaa aaaaaaaacc 120
 atgcattgct gcttttccta ccacttccag taagaaaatg ggtgttttga agaaatcatt 180
 tgccttgtcc tcacggaatc tgattaagcc ctggcctctt gattgtatag agtcattgtg 240
 tatattccag ttacctagat attcccttga gattttgata caatttgagg gaggcagaag 300
 tctgcagttg aagaaaaaaa ataagtctgt ttgtcatatt taagtagcct gtggctatatt 360
 ttatactgat tttgatatca tgttcttttc atagtcgtat tttgccaccg taaacataaa 420
 aaaaaaaaag atttccaaaa tgccgttttc agaacctggg ttttaatagc agtattgaat 480
 ttgtaagctt agtagttgca gaaattgaac actaggnggc actca 525

<210> 1031

<211> 485

<212> DNA

<213> Homo sapiens

<400> 1031

ccttggtgat acacctcggt ctcaaagggt atcagggtgca gctcctcagt cacaatcagg 60
 gaagcatcac aattggctcg gccccattc ccacatctct gctccctcag ggtcaagtgt 120
 ttgaattctg cagagaggct gccgttgttg gattcttcca tgttcatcac ttttgtgttt 180
 gtgccagaa tgttaaattt ccggggtcct ctgagagctg caacgtcccc agagtctttg 240
 tcaatgcaca ctttaatttt aagctgataa ttcaactcag ggaatttgac cagcaacctg 300
 acttttagtag tgaactggac gccggtcctg atgacgaggg gccggtcagg atgcatgggc 360
 atgcagggct gccgctccac cacaaggca cttttcatta agtttctaaa cagctccacg 420
 attctctcct ccagcatcgg ccggtgctgt acaatggggg ccccttttga ggaaactttt 480
 tgctg 485

<210> 1032

<211> 326

<212> DNA

<213> Homo sapiens

<400> 1032

ccatacaagg taattttgac aggttccttg gattaggaca tgggcatctt gggaggccac 60
 tactggccta ccacaactgg gcagcaaaac tattacaccc tccggtataa tagttttggt 120
 gtttcaatga ctggggggaa aagggttggg attttttgc tttgggtccc tcttaacctt 180
 gtatttttaa ggtctgggac tcaccaaccc tccccctcca accagagaaa ctactgcag 240
 tatctccttg aaagtctggt gacgtgtctg tctaagtgt ggtgagaggc acaggaccaa 300
 ctgagggcct cagcagtag ccctgg 326

<210> 1033

<211> 345

<212> DNA

<213> Homo sapiens

<400> 1033

ccacacagac tcaccaagcc acagacttgt cttccacaag cacgttctta ccttagccac 60
 gaagtgacca agccacacgt actaaagggt gaactcaaag atatgtacag ggtattaaac 120
 aaataccaag gggaacagtt aacttcaata caagggtcaaa atcagcaaca agttctacaa 180
 tccagtgtcg atatcagata caagcttcaa ggacaatttc ttttcgaagg cttattccag 240
 tttcgtgagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta 300
 acccatgcag caaatgctac gcactgtctg agtccgttta gaagc 345

<210> 1034

<211> 345

09920300 "03101

<212> DNA

<213> Homo sapiens

<400> 1034

```
ctggtcttta attatgtggt tccgaagcaa attccttgta tgggcatcaa ttggaggggt 60
tccatctttg aatacagaat tcaggggagc caggagggtc aaccgctcac ttccagagag 120
atgattgccg aggccggctt gtctgaaaag gtcaatggct gtggacacat cagactctgc 180
agccaattca aatagtgtct tggctgagtc tgggatgagt agctcatcaa tgtagtggat 240
caccgccgtt gtggctagga tgtctttatt ggagatgatc gccttcccgt tgatagtggag 300
catgtccccg ctgcagccca cctccagtggt cgtgccctcc aggggt 345
```

<210> 1035

<211> 348

<212> DNA

<213> Homo sapiens

<400> 1035

```
aaccagcctt cggagcggtc tctgtcctac ttctgacttt acttggtggtg tgaccatggt 60
cattataatc tcaaaggaga aaaaaaaacc ttgtaaaaaa agcaaaaatg acaacagaaa 120
aacaatctta ttccgagcat tccagtaact tttttgtgta tgtacttagc tgtactataa 180
gtagttggtt tgtatgagat ggtaaaaaag gccaaagata aaaggtttct tttttttcc 240
ttttttgtct atgaagttgc tgtttatatt ttttggcctg tttgatgtat gtgtgaaaca 300
atgttgtcca acaataaaca ggaattttat tttgctgagt tgttctag 348
```

<210> 1036

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 485

<223> n = A,T,C or G

<400> 1036

```
ccaacatggt gaaaccccggt ctccactaaa aatacaaaaa ttagccaggc atggtggcgg 60
gcacctgtaa tcccagctac tcaggagggt gaggcacgag aattgcttga acccaggagg 120
cagaggttac agtgagctga gatagcgtca tcgcaactca gcctaggcaa caagagcaac 180
actccatctc aaaaaagaaa gaaagaaatg taacctcaga caaaaccagc ctagcttatt 240
tttataattt catgatctat aacataggaa atatttatgt aaatcacact ggtgaagggt 300
atatgtagca cttaaaaaata tgaggcttga tttggtcagt gttttcagag gttaaaaata 360
taaattccac tgacctgggc acattgtgaa gtaagctata aaaattccaa ataattatct 420
ctaaagcaaa tcctttgtta gttacatggc ttacatatt aattactctg gaaagttttt 480
gaacnctggt tagtagcaga tctcctttct tgatagtttc ttggtactgc cagt 534
```

<210> 1037

<211> 530

<212> DNA

<213> Homo sapiens

<400> 1037

```
aaaacaaact taactttatt tcctcacttt cacttaaaac ttgattttat aaaacacatg 60
aaaaaacatt tttaagagtt ctgtatcaca gaacattaaa cagtacaaat atccattgct 120
tcataggttc aagttacata aattaaagtc aaataattgg aaactgattc aatagggaaa 180
```

09920300 "073101

actatacatg aaatgaaggt caaaaggagc tatacagcaa tatttcattg tttatagatt 240
 atgagttact ttcaggacct taacaaagat tctgaatatt tagacttcct ttgttgtatt 300
 ttatacttaa atatctccct acctatactg agtcaaacta cttgaccaa acatctgatt 360
 taggaaagca tctagcttta tagcacaagt ttttccatct acagttacta tcttcaaagg 420
 aatatacatc acaatgttga caaaaaaacc tcctgggtcc ttttgaacaa tgtgcaataa 480
 attcatgatg ttaactccat ggtaagtcaa atagggtacca aaaaaataaa 530

<210> 1038

<211> 235

<212> DNA

<213> Homo sapiens

<400> 1038

ctgagagctt catgtccacc agattctgag aggtgtcagc agcacttttt ttttttattt 60
 gttgtttgtt ttccatgagg ttatcggacc atgggctgag ctgaggcact ttctgtagga 120
 gactgttatt tctgtaaaga tgggttattta accctcctcc accccatcac ggtggccctg 180
 agggctgacc cggaggccag tggagctgcc tgggtgccac gggggagggc caagg 235

<210> 1039

<211> 440

<212> DNA

<213> Homo sapiens

<400> 1039

aaaaaaccca caaatgctg attcagttca aaattaatgc aaatgtttca aaactggggtt 60
 tctgatattt gtaaatgtgt ttctttatta gataagagtg tattaccatt aaagtcatta 120
 gtataatatt gctttcaaaa agaaatggtg gacaaaacta taatccagca tcttttattg 180
 cattggaaag actggcaaag tcttttggat gggttgggag atgtggctgg aaagtacttt 240
 ggaaaatata caatcaagat atctcatggc atattaaaag aaaaatctta atagcagtg 300
 tggcttttat ttggattttt tcatctcagt ttttctgtg gaatctcctt cattggcatt 360
 gttatttaac cataaacggg gcagatgtct acttgttcag tttttcaaat ctgttttcct 420
 gagtataaat aagagtattt 440

<210> 1040

<211> 508

<212> DNA

<213> Homo sapiens

<400> 1040

ccaagatgaa gaaagtcag catttacagg atgtagaagt gaagaacgcc acacagtgga 60
 aggataagat aaagagtcag cgaatgagaa tcagcacgga gttttcaaag ctgcacaact 120
 tcctggttga agaagaggac ctgtttcttc agagattgaa caaagaagaa gaagagacga 180
 agaagaagct gaatgagaac acgttaaaac tcaatcaaac tatcgcttca ttgaagaagc 240
 tcatcttaga ggtgggggag aagagccagg ctcccaccct ggagctgctt cagaatccaa 300
 aagaagtgtt gaccaggagt gagatccagg atgtgaacta ttcccttgaa gctgtgaagg 360
 tgaagacagt gtgccagata ccattgatga aggaaatgct aaagcgattc caagtggctg 420
 taaacctagc tgaagacaca gctcatccca aactcgtcct ctcccaggaa gggagatatg 480
 tgaaaaatac agcatcagcc agttcttg 508

<210> 1041

<211> 212

<212> DNA

<213> Homo sapiens

05920300 "073104

<400> 1041

```
ccattctctg caaccatcag cgagcaaccc ccagtacgtt cgagaagtcg atgcagaatc 60
tccagacgaa gatccaggca aagaaggagc aggtggctga ggccagggca gagctgagga 120
gggcgagggc tgagcacaaa gcccaggagg atggcaagtc caggagtgtc ctggagaaga 180
agaggcggct cctggagaag ctgcaggagc ag 212
```

<210> 1042

<211> 402

<212> DNA

<213> Homo sapiens

<400> 1042

```
aaagcctttt tttaggccac attgacagtg gtgggcgggg agaagatagg gaacactcat 60
ccctggtcgt ctatcccagt gtgtgtttta cattcacagc ccagaaccac agatgtgtct 120
gggagagcct ggcaaggcat tcctcatcac catcgtgttt gcaaagggtta aaacaaaaac 180
aaaaaacccac aaaaataaaa aacaaaaaaa acaaaaaacc caagaaaaaa aaaaagagtc 240
agcccttggc ttctgcttca aaccctcaag aggggaagca actccgtgtg cctgggggttc 300
ccgagggagc tgctggctga cctgggccc aagagcctgg ctttgggtccc cagcattgca 360
gtatggtgtg gtgtttgtag gctgtggggg ctggctgtgt gg 402
```

<210> 1043

<211> 150

<212> DNA

<213> Homo sapiens

<400> 1043

```
aaaatcaaca attatggttt tcctacacaa aaccccaacc ctcccaccca aaaaccctag 60
gtgtacagc tccatggctt gccagtaagt agtgtctatg ttgtcaaggt ctatctttgt 120
tccagtagct tgcttctact gcacttttct 150
```

<210> 1044

<211> 467

<212> DNA

<213> Homo sapiens

<400> 1044

```
ccaattgaaa caaacagttc tgagaccgtt ctccaccac tgattaagag tgggggtggca 60
ggtattaggg ataatttca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggg ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcaac aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tggttcagga taatcacctg agcagtgaag ccagttgggg gccagtg 467
```

<210> 1045

<211> 543

<212> DNA

<213> Homo sapiens

<400> 1045

```
ctgccttggg gtgcacctca gcagagatga tggccgcctt tttctgttgc tcagcctttt 60
ccaccacaaa tctggccctc tctgttctct gctgagccac ctgtttggct tccaccgctt 120
ctgtgaactc cttcccgaag gtcagatgtg tcaaggacac gtcacccagg atgagcccaa 180
```

0520300 "03101

```

aggtggcggc tcgctctgta aggtcgtcgc tcacctgcct ggagaccagc tctctctggg 240
tgattagttc tccagcatca aagcgagcca ccaactgactt gaggatctca gttgtgatgg 300
acggcagcac acgctcatca tagtcctctc cgatgctggg gaagatgcga ggaagctggc 360
tggcgacagg ccggaagagg atgcgcagtg tgatgttgac attctgtaaa tctttgctac 420
cagtgatgac tggcacatta cgtggctcgag aacggcagtc aaagataatt ggtttctgta 480
cccacgggat gagaaaatga gtcccttccc ctaccacaat gtcctgcact ccacggaatc 540
ggt 543

```

```

<210> 1046
<211> 245
<212> DNA
<213> Homo sapiens

```

```

<400> 1046
cctcttttta ccagctccga ggtgattttc atattgaatt gcaaattcga agaagcagct 60
tcaaacctgc cggggcttct cccgcctttt tccccggcgg cgggagaagt agattgaagc 120
cagttgatta ggggtgcttag ctgttaacta agtgtttgtg gggttaagtc ccattggctc 180
agtaagggct tagcttaatt aaagtggctg atttgcttc agttgatgca gagtgggggt 240
ttgca 245

```

```

<210> 1047
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<400> 1047
ctgaaggaac ggtgcagaat cgaaccacat actggtctgc tcttgctttc agtacagaag 60
agaagcatgt ccttccaagg aatcagacaa cctgtgaccg tcaactgagct agtagattct 120
ggtatattga gaccgtccac tgtcaatgaa ctggaatctg gtcagatttc ttatgacgag 180
gttggtgaga gaattaagga ctctctccag ggttcaagct gcatagcagg catatacaat 240
gagaccacaa aacagaagct tggcatttat gaggcgctga aaattggctt agtccgacct 300
ggtactgctc tggagttgct ggaagcccaa gcagctactg gctttatagt ggatcctggt 360
agcaacttga ggttaccagt ggaggaagcc tacaagagag gtctgggtgg cattgagttc 420
aaagagaagc tcctgtctgc agaacgagct gtcactgggt ataatgatcc t 471

```

```

<210> 1048
<211> 410
<212> DNA
<213> Homo sapiens

```

```

<400> 1048
ccagcgagca catgaagcgg ttcttcgtga actttgtggt tgggcaggat ccgggctcag 60
acgtcgctt ccaacttcaat ccgcggtttg acggctggga caaggtggtc ttcaacacgt 120
tgcagggcgg gaagtggggc agcgaggaga ggaagaggag catgcccttc aaaaagggtg 180
ccgcctttga gctggtcttc atagtctctg ctgagcacta caaggtgggt gtaaatggaa 240
atcccttcta tgagtacggg caccggcttc ccctacagat ggtcaccacac ctgcaagtgg 300
atggggatct gcaacttcaa tcaatcaact tcatcggagg ccagcccctc cggccccagg 360
gacccccgat gatgccacct taccctggtc ccggacattg ccatcaacag 410

```

```

<210> 1049
<211> 274
<212> DNA
<213> Homo sapiens

```

<400> 1049

```

aaaattgcaa tgacttaaat aatgaggttg ttaattagag tcagagcctg ttcacatatt 60
gtgatcaggt agcaatgaca tgtaccactt aaattatatt atcgtcgatt tggtagttcg 120
attttaacta ctcaatgaaa acagccatga atatcttttc ttaaagagag ttttgaaaat 180
gatcacttac ctaaaacttg aaagctatga attagttatc catactctca tgacaatttt 240
gttggtgaac aacaaaaaag agatctatct cttt 274

```

<210> 1050

<211> 511

<212> DNA

<213> Homo sapiens

<400> 1050

```

ccttaggact cgagacattt tatgacctct cccaataggg gcagaggtga gcacccctgg 60
tgaaaagtta agactcagtg agtataaata cgccaagagg agctgtggct tctttcactg 120
gtgtcctctg tctgcactaa gatcccagaa gggaggcttg ccattatatt ccttccgatg 180
ttcacgttca cagcagggaa tgccctgaaa gccattatcg ccatggatac agcaggaatg 240
atcctgggat ggaaattttt tgatcatgcg gcacatcttg ggggagctct ttttggaata 300
tggatatgta cttacgttca tgaactgatt tggagaaca gggagccgct agtgaataatc 360
tggcatgaaa taaggactaa tggcccaaaa aaaggagggtg gctctaagta aaactgggat 420
tggacagtag cgggtgcatct ggtccttgcc gctgagagc cccaggagac atcggctaga 480
gtgaccatgg ctatgctccc gtctggaaga t 511

```

<210> 1051

<211> 264

<212> DNA

<213> Homo sapiens

<400> 1051

```

gtggagcagg agcctctaca cagcctcttg ctcttaggtc ccagtcattg ttgcaccccc 60
tcaaaggggg aggaccagcc ctccctttca gtgtccatac caggggacct ccatgtgctg 120
atgggtgatg tgactgtggt cagcaggctt gggaagtgtg gctgctgtag cttgagttgg 180
gctgggggtct tggtaggacg ctgatctcag aagtcaccaa agttcactgt gtaggtctct 240
actgttgtga aggggaatgc ctgg 264

```

<210> 1052

<211> 409

<212> DNA

<213> Homo sapiens

<400> 1052

```

aaactacctc aaaacacttt cccatgagtg tgatccacat tgtaggtgc tgacctagac 60
agagatgaac tgaggtcctt gttttgtttt gttcataata caaagggtgct aattaatagt 120
atttcagata cttgaagaat gttgatggtg ctagaagaat ttgagaagaa atactcctgt 180
attgagttgt atcggtgtgt gtatttttta aaaaatttga tttagcattc atattttcca 240
tcttattccc aattaaaagt atgcagatta tttgcccata tcttcttcag attcagcatt 300
tggtctttgc cagtctcatt ttcattcttc tccatgggtc cacagaagct ttgtttcttg 360
ggcaagcaga aaaattaaat tgtacctatt ttgtatatgt gagatgttt 409

```

<210> 1053

<211> 345

<212> DNA

<213> Homo sapiens

F07E20"00E02650

<400> 1053

```

ccaatgtggt tggctcttcag cttgcagtta gccagggttcc ataccttgac cagcttgtcc 60
cagccacagg agacgatgat aggggttgctg ctggtgggagc agaagcggac acaagacacc 120
cactctgagt ggctctcatc ctggacagtg tatttgaca caccagggt attccatagc 180
ttgatggttt tatctcgaga tccggagaca atctgccggt tgtcagagga gaaggccaca 240
ctcagcacat ccttggtatg gccacaaaat cgcctcgtgg tggtgcccgt tgtgagatcc 300
cagagggcgca gggttccatc ccaggagcct gagagggcaa actgg 345

```

<210> 1054

<211> 481

<212> DNA

<213> Homo sapiens

<400> 1054

```

aaacctaagc aagaaaatga actttgaact ttcttaattt gggatatctat tatgaatacc 60
ttcacttaag tatttatgaa lttagatatg aaaggtaaaa ctaaccacta tccaaattaa 120
tatacagttc atttccagaa ccctagtttc ttccatgtgc tcaactcgcat tcagtattac 180
aacccccaaa gataaacacc ttactgactg ccttctccat aaatttgccgt gttcttgaac 240
gttatatacg tatacttttt tgtatctggt ttctttcagt gaagattatg tctgtattat 300
ttactcatgt tgggtgtagt tgtttttttc atcgtcgtat aatactccat tgtgtgaatg 360
tataaagtat atcctttatt atttattgta gataagcctt tgggttttca gttttttact 420
aacgggaaca ttcttgtgca tgtcttagta gacttaggca ctcatgtctg ttgtgtgtgc 480
a 481

```

<210> 1055

<211> 164

<212> DNA

<213> Homo sapiens

<400> 1055

```

aatgttttac gtcgacaaaa ccagttagag taacctacac cacatgcact atacagtagt 60
aagcacaaaa ttccacagaa tgaagcatca caaagttctg ctcaggggtg ctattccatc 120
taggtgaaat agctgggatt ttcaattgcc tttttcattt gttt 164

```

<210> 1056

<211> 112

<212> DNA

<213> Homo sapiens

<400> 1056

```

ctgttacttc acagctctga cctcagtttt ctcatctcta actaggtcac cggcacttcc 60
ctcagggttt gtgagagtta aatgaagtca agtgcggaac acccagcaca gg 112

```

<210> 1057

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 366

<223> n = A,T,C or G

<400> 1057

09520300 "073104

ctgtgctcct ggatgggtttt accacaagtc caattgctat ggttacttca ggaagctgag 60
gaactgggtct gatgccgagc tcgagtgtca gtcttacgga aacggagccc acctggcatc 120
tattctgagt ttaaaggaag ccagcaccat agcagagtac ataagtggct atcagagaag 180
ccagccgata tggattggcc tgcacgaccc acagaagagg cagcagtggc agtggattga 240
tggggccatg tatctgtaca gatcctgggtc tggcaagtcc atgggtggga acaagcactg 300
tgctgagatg agctccaata acaacttttt aacttggagc agcaacgaat gcaacaagcg 360
ccaacncttc ctgtgcaagt accgaccata gagcaagaat caagattctg ctaactcctg 420
cacagccccg tcctcttcct ttctgctagc ctggctaaat ctgctcatta tttcagaggg 480
gaaacctagc aaactaagag tga 503

<210> 1058

<211> 474

<212> DNA

<213> Homo sapiens

<400> 1058

ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gtggtgggaa cgacaaacaa gggttcccca tgaagcaggg tgtcttgacc catggccgtg 120
tccgcctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
agagaaaatc agttcgtggt tgcattgtgg atgcaaatct gagcgttctc aacttggtta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
tgggccccaa aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tccgccagta tgttgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag 420
cacccaagat tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggc 474

<210> 1059

<211> 321

<212> DNA

<213> Homo sapiens

<400> 1059

gctggctagt gtccccaaga tcctgaggga actgggtgcct gagaacctca tacgcctgat 60
gtcctcggag gaggtgaaaa agagcatcct tctagcctat gacaagcata aggacaagac 120
agtggaggag gccaaagggtg ccttcctgaa gtggatctgc cgggtggcca ccttcggatc 180
cgccttcttc gaggtgaagc aaacctcgga gccttcctac ccggacgtca tcctcatcgc 240
catcaaccga catgggggttc tgctcatcca cccaagacc aaggacctgc tcaccaccta 300
tcccttcacc aagatctcca g 321

<210> 1060

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 408, 410, 411

<223> n = A,T,C or G

<400> 1060

aaatggagtc cacagactaa aggtcatggt ccgagactga agctttcaaa tgaccctagt 60
tccaatatag acactttctt cagtttatca gtagctttta aaagaaattc agaaactaag 120
cggttggaga ggagcattgg aaatagaggg ggatgctatg agatgggggt tgggagcaga 180
gaagaaactg caggagggca aagtgtact agcaatatac cttctgtgat gctccagaaa 240
cacatgtctg ctaagattaa cttgattgga gtttcttatg aaacaggctg atcatcaaga 300

tttttaactc aggtttcagt gaaaaaattg gaaactttta caagaaagat ttgagaagta 360
gaaggcaggc agcaaatttt ccagatatta tgcttgcat tcaaattncn ngtttcaggc 420
ttttcaagta ggcatgcaca ttcccaaagc catgatattt ggctaaatac acaaggaccc 480
cagtcgcaca ccgtccatct cgc 503

<210> 1061
<211> 436
<212> DNA
<213> Homo sapiens

<400> 1061
ctgactgtcc tctccagaag gctcttctga gctgagcagg agaccccagg gccacagccg 60
agccccaacc tagacacggg ctgagctcca accttggctg gctatacttc aagggcgggt 120
agggccggca tggggctgga gggagtcagc ccactattgc agattccaca caaagaagga 180
gggggcttgg gtggtagcac tggacatcca tcccatgtgc ctgggagtc tgggggttgg 240
gccacagaga aggttacatc ggggtgctgc ggaccttgcc ttctctctcg ggcacattct 300
cataggcatt ctcatgctca ctggacctga aactggccgc catcgaagag taccttccat 360
ctgttcccac caggactcca tctgccttgt ttccgacggg caggatcatg tgtgcaggct 420
ccggctccta cctgcc 436

<210> 1062
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 442, 488, 511, 512
<223> n = A,T,C or G

<400> 1062
ctgtgtgtcc atcaacacac aaattcgtaa aaaacacaca tggcctcgcc atcgtgggta 60
aaatcgcccc cacagcacgt ctgcaccagc gggccgttac tcccatgccg ttcttctgtg 120
taatattaag aactgaatgt gaagtttata gctagcctgg gtgtaccttt taagaatttt 180
gtaaaccgtt tgtctgtctt ttgttactgt tttatggtgc caagtatcct acgtttacaac 240
aataatatca tgggagaaat agaaatagcc tagtttgctt ccaatagaaa ctgcttttaa 300
catgggctgt atataaaaat attaaagaga aacaaaactg tacatttcct cattgctccg 360
ctacagacaa cccatgtcat aaccttggtt caaatatttt tctcctatag cagtaagtac 420
agcattagaa ggtgattaga gngtctgttg atgaaacaca aatgtatgtt ttattgattt 480
tactttanaa cactacagat ttcttgacc nngtgaaggc attagcttgg gtgtttgtgt 540
ggga 544

<210> 1063
<211> 379
<212> DNA
<213> Homo sapiens

<400> 1063
ctgcagcctg ggactgaccg ggaggctctg attgtttacc caccacaggt aggttgcgtc 60
ctgagtctca ggttcacagg tgaaggccac agcatccttg tcctccacgg ggttggagtt 120
gttgctggag atggagggt tgggcagctc cgggtatata tggaaactgtc cggttgcttc 180
ttcattcaca agatctgact ttatgacttg tagggatag aatcctgtgt cattctgggt 240
gacgttctgg atcagcaggg atgcattggg gtatattgtc tctcgaccac tgtatgcggg 300
ccctggggta gcttgttgag ttctattac atatcctaca attagactgt tgccatccac 360

0920300.073404

tcttttcgcct ttgtaccag

379

<210> 1064

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1064

ctggtcctgc agacaggtgc tcttgtcctg agtgacaacg gcatctgctg tatcgatgag 60
 ttcgacaaga tgaatgaaag tacaagatcg gtattgcatg aagtcattga acagcagact 120
 ctgtccattg taaaggctgg gatcatctgt cagctcaatg cgcgcacctc tgtcctggca 180
 gcagcaaatc ccattgagtc tcagtggaaat cctaaaaaaaa caaccattga aaacatccag 240

<210> 1065

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1065

aaaaaaggca tttggagaaa ctggtagatg tcttcaacat atagttcaaa taaattagtt 60
 gtatgtgtac tactgaatcc tctttcaacc tctcttgcac tccaaataaa atcttagtgc 120
 aaacatcaaa gttgctgggc actccaaaag actgctaaac tcataataga atacaagatc 180
 tgaattactg tgtattaagt aggaaaaccc aagaatacca gttactgcaa aattcattta 240
 ggcacattta atagtccact ctaagcattt tttctaagtc tctcacatta atgactaaag 300
 cctgtttaca gtactaaaat tctatcattc aagcatcaat gattacattt cagaaaaagg 360
 aaattcattt cagtaatagc attactgcta tatcctaaaa aaaggagaga aaataaagaa 420
 tcataattaa caaaaccagt atccataata ggatacacag ggaaaaacat tttaggagaa 480
 aaaaaagtgt gctttacttg ccacagcagg aattatataa tgtaaacacc ata 533

<210> 1066

<211> 496

<212> DNA

<213> Homo sapiens

<400> 1066

ctgatgtttg aaatatctgt ctacatttaa ttagatgtgt tgtatttacc aaggaggcac 60
 aaatatgtag ttctgtagat tttaatacta acttttccag taagaaaaat aataccagggt 120
 gatttcaaaa agggcagtg tctataaaca ctcaaaatgc atctttgaac aggggagcag 180
 aaatagctaa tttaattgaaa acaaacctta agcactttac ttggcttcta ataagcatcc 240
 caagaaaagg tacctgagag ggggttgacaa gtacactgtg tctagaacag ccaagatggt 300
 gccaaagttt tatgctttga atttcctaaa tatatagcta gcagaaacat atgccagaaa 360
 tctactgatg ctaggaaaat atttttgtca gcattttgta aaatctctaa ctttcaacca 420
 atatttctgt tcataaatct tccagtgaat atgtctgaaa tatattacat gtaacaatga 480
 agcaagatta atttta 496

<210> 1067

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 456, 486, 507

09920300-073104

<223> n = A,T,C or G

<400> 1067

```
gcaggtccaa ggatatcaaa ccttaaactc agaacatggc aggtgagtaa aagttgaccc 60
tatttttcaa ataaaagatc agtggttctca aaacttacat atgtagtctt cttaaacagc 120
tccctcctcc ctccaaacaa actaccttgc tgggccagcc tgaacaacat gcacaaagac 180
tttggtctcc ctagaacaag ccattgagcc ttctctctga gataggggca tcaagaataa 240
ggattcacat gtttattcac aactcaggct cctcaagggg ctgggatctc cccaattaga 300
ctcctttgtt tcaactatgcc cacaatctca gaggtgtttg aaattgtctg tactagggaa 360
gaaaggattt tcaaaaatag ccagtcacac agaacagctc tggaccaagc cattacccaa 420
tcccgatgg gaagttgctt cacgtttctc ttaagntggt acgcagcatt gccatggcag 480
caaaangagg ttaaccatta aggaagnacc tgttcaa 517
```

<210> 1068

<211> 112

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 90, 106

<223> n = A,T,C or G

<400> 1068

```
ctgctggagt cggaactgct gcctttgttt ggcggccttg tttcttaaata cagttccctc 60
ttaggattta ttacactaaa aaaaaattan tttttgaaaa gaaatnggag aa 112
```

<210> 1069

<211> 513

<212> DNA

<213> Homo sapiens

<400> 1069

```
ccttaggaat catacagaga gaacttaaat aaggctgacc cttgggcaga tttgtagccc 60
aggttagtat aagaaaggta gtcaagaaat ctcaagccat gaatttagtt tcaagttttc 120
tggatgagta ggactcctaa gtgcctggca gaagcaaata taaatcctcc ccagaggaag 180
acagcttcat ctttgcccg c agaggatctc cataaataat tgctcaaggg cagccggcag 240
cagtcagtca aagctggagt caatccacca ggtgacaggg catcccaagg aaaaactagg 300
agggaaaaaa gcctagtaac agaccctcac acccctcaga gattagttat gagatatgaa 360
ttataaagca agtatgctta ctataggtaa agaaataaaa gataaaccag gaaatatctg 420
caaggaatag gaaactatta aaagtggcat agcaaatttt atgaggaaca aaactgaatt 480
gtaagaaatg aaaacacagt aattgaacaa ttt 513
```

<210> 1070

<211> 74

<212> DNA

<213> Homo sapiens

<400> 1070

```
cctgctactt ataggcatta cttcattttt ccttatgaag ggtactatac caacacagac 60
tttatagtat gttt 74
```

<210> 1071

<211> 509

05920300-073104

<212> DNA
<213> Homo sapiens

<400> 1071

```
ccttccttatt tagattcctt ttgatgtcct tccattttca gatatacagt tgcttttttc 60
ctctggggttt tgggaagggc acctctcaca tgacgatctt atggcctgct tctggggaaa 120
aggatgggga aatgtcagag agtccttgca tatatcatct ctcaaaactc ttaatcttaa 180
atattcagta tgtcaagggtg ccatattttg gggtagcatg tcctgagctc catcaacatt 240
aatgtaaaaa tathtagcct aatgcctggc acatatcaag agcttaagaa atgctgactc 300
taaaattatg acatctagga agatgtgggg cagaattgta aacttacctg ctaaattacc 360
tatgagctgc ccaccattcg ttaattatgg caataataat gggtttatca tgctgtatcc 420
tcactcttgc aagcagtgtt ccttgtgctt agcagtaaat gttgcctaata ttggggcatg 480
ctggtgtgtc tgcagactgt tcttgtatg 509
```

<210> 1072

<211> 563

<212> DNA

<213> Homo sapiens

<400> 1072

```
ctgtcactcg aagaatacca ttcacatcta tctcaaaggt gacttcaatc tgtgggaccc 60
cacgaggagc aggaggaatt ccagtcagat caaatgtacc cagaagatga ttgtcttttg 120
tcaggggtct ttcaccttca tagaccttga ttgtaacagt tggttgatta tcagaagctg 180
tagaaaagat ctgagacttc ttggtaggca ccaactgtgtt ccttggaatc agtttgggtca 240
tgacacctcc cacagtttca ataccaagtg taagggggaca tacatcaagc agtaccagggt 300
cacctgtatc ttgatcacca gagagcacac cagcctggac agcagcacca tacgctacag 360
cttcatctgg gtttatgcc cgggatgggt ccttgccatt gaagaactct ttaaccagtt 420
gctgaatctt tggaattcga gtcgagccac caacaagaac aatttcatca atatcagact 480
tcttcaaate agaactttcc aacactttct ggacgggctt catagtagac cggaacagat 540
ccatgttgag ctcttcaaat ttg 563
```

<210> 1073

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 321

<223> n = A,T,C or G

<400> 1073

```
caaaacccca ctctgcatca actgaacgca aatcagccac ttttaattaag ctaagccctt 60
actagaccaa tgggacttaa acccacaac acttagtta cagctaagca ccctaataca 120
ctggcttcaa tctacttctc ccgccgccgg gaaaaaaggc gggagaagcc ccggcagggt 180
tgaagctgct tcttcgaatt tgcaattcaa tatgaaaatc acctcggagc tggtaaaaag 240
aggttttgta caagcttttt tttttttttt tttttttttt ttggaaaaaa aaatgggtag 300
tgtatatatt gcaggtttaa nacaactcag gacaataaaa acaatggact ttacatgtgt 360
atatatatag ctctcttagg caccataatc agtatgagcc aacaatattt 410
```

<210> 1074

<211> 499

<212> DNA

<213> Homo sapiens

05920300.073101

<400> 1074

```

gtggaagcag gtgtgagagg gtccagcaga aggaaacatg gctgccaaag tgtttgagtc 60
cattggcaag tttggcctgg ccttagctgt tgcaggaggc gtggtgaact ctgccttata 120
taatgtggat gctgggcaca gagctgtcat ctttgaccga ttccgtggag tgcaggacat 180
tgtggtaggg gaagggactc attttctcat cccgtgggta cagaaaccaa ttatctttga 240
ctgccgttct cgaccacgta atgtgccagt catcactggg agcaaagatt tacagaatgt 300
caacatcaca ctgcgcatcc tcttccggcc tgtcgccagc cagcttcctc gcatcttcac 360
cagcatcgga gaggactatg atgagcgtgt gctgccgtcc atcacaactg agatcctcaa 420
gtcagtggtg gctcgctttg atgctggaga actaatcacc cagagagagc tggctctccag 480
gcaggtgagc gacgacctt                                     499

```

<210> 1075

<211> 448

<212> DNA

<213> Homo sapiens

<400> 1075

```

ccagtttga gaacgcgctg acatactgct cggccacagt cagtgaagct gctgcatctc 60
cattatgttg tgtcagagct gcagccagga ttcgaatagc ttcagcttta gccttggcct 120
tcgccagaac tgcactggcc tctcctgctg cctgatttat ctgttcagcc ttttctgctt 180
cggaggccag gatctgggccc tgtttcttcc cttctgccac attgatggcc gactctcggg 240
tccccctaga ctctagaact gtggcccgtt tccgcgcgtc tgcctccacc tgcactcgca 300
tagactcttt caccgcgggt ggcacatgga tatccttgat ctcataacgg aggcagcgga 360
taccocagca gtcagcagct tggttgatgg catccacaat gctggcattc agggactccc 420
gttccccgaa gactttgtcc agagagag                                     448

```

<210> 1076

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1076

```

ctgtggattt caaaacacag tgtattctag atcatctaag atccatgctg atttttattg 60
cacaagaatt aggtttgaac tcttgagctg gaacctcagc aaactagagt atatatgttt 120
cagtatttct ttggaaacat ttcattaatg tacttgtctt acagaaattt ctgaacttta 180
gtaaaaaaaa taaagttaaa cttttaaaac tcaaaaa                                     217

```

<210> 1077

<211> 254

<212> DNA

<213> Homo sapiens

<400> 1077

```

ctgcctattt ccacatcttt caatccatct ggctccttaa ataggggaaa aagcccttat 60
ttggtggaga agcatttcca aaatgaagtt acagggttcta ttaaaactta ctgtcacatc 120
aactgttaaa atagggcctt ttgtgttttg tttttcacc ttaatatcac cagaattcct 180
gtaattccac aattgtgatt ttactatgta gaagataatt cagttctagt ctattgcttt 240
agatgtaaaa acag                                     254

```

<210> 1078

<211> 354

<212> DNA

<213> Homo sapiens

09920300 "03101

<400> 1078

```

ctgtccctgg atagtgccac ctttgccctct ccccaggatt ttgggcttgt tttgcaaaca 60
ctcaaagagt acaacctagc cctgaaaaga ctgagcttcc atgacatgaa tctcgctgac 120
tgtcagagcg aggtgctctt tttgctacag aatctgactc tgcaagagat taccttctcc 180
ttctgccgtc tgtttgagaa gcgcccagcc caatttctgc ctgagatggg tgctgctatg 240
aagggcaact ccacactgaa gggcctccgg ctgccaggga accgcctggg gaatgctggc 300
ctgctggcct tggcagatgt tttctcagag gattcatcct cctctctctg tcag 354

```

<210> 1079

<211> 563

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 472

<223> n = A,T,C or G

<400> 1079

```

gcacagagct gtcattcttg accgattccg tggagtgcag gacattgtgg taggggaagg 60
gactcatttt ctcatcccg gggtagagaa accaattatc tttgactgcc gttctcgacc 120
acgtaatgtg ccagtcata caagtagcaa agatttacag aatgtcaaca tcacactgcg 180
catcctcttc cggcctgtcg ccagccagct tcctcgcatc ttcaccagca tcggagagga 240
ctatgatgag cgtgtgctgc cgtccatcac aactgagatc ctcaagtcag tgggtggctcg 300
ctttgatgct ggagaactaa tcacccagag agagctgggc tccaggcagg tgagcgacga 360
ccttacagag cgagccgcca cctttgggct catcctggat gacgtgtcct tgacacatct 420
gaccttcggg aaggagttca cagaagcggg ggaagccaaa cagggtggctc ancaggaagc 480
agagagggcc agatttgtgg tggaaaaggc tgagcaacag aaaaaggcgg ccatcatctc 540
tgctgagggc gactccaagg cag 563

```

<210> 1080

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 482

<223> n = A,T,C or G

<400> 1080

```

aaaacttggg gaagctgggt gggcgcggtg gctcacgcct gtaatcccag cactttgaga 60
gaccgagggc ggcggtacac gaggtcagga gatcgagacc atcctggcta acacggtgaa 120
accccatctc tactaaaaat acaaaaaatt agctgggcgt ggtggcaggc gcctgtgggc 180
ccagctactc gggaggctga ggcaggagaa tagtgtgaac ccgggaggcg gagcttgacg 240
tgagccaaga tagtgccact gcacttcagc ctgggtgaca gagtgagacc ctgtctcaaa 300
aaaaaaaaaa aaatcctgg agaagccaga acaatatata aacaagtatg tggaggcaga 360
tttgctttat tccaagaggc tgtttgagtg tgtgtctgcc taagcctcct tatagcctat 420
ttttctactt gctgagagag taatattaaa ggaacagtga gggagtggaa ggagagcctt 480
anttagagcg ttcccatctc tggcct 506

```

<210> 1081

<211> 462

09920300 "073401

<212> DNA
<213> Homo sapiens

<400> 1081

```
aaatttaaga tagtttgtaa gaactgtaca aaaaaatgct tctggagatt tctttggcag 60
aatgccttt catctataat ttcattggaga actgctttaa ttagcctagg tgaaaagtag 120
tcctagcagt gtaaataatgt ataattagag ttttctaatt tcaactgtgag atctctaact 180
tttgagtggc aaacagatca agtcttttgc tcatagactt ttctgtgggg ttattaaaat 240
gcaaaagctt tatttttttt aataatgcc aactccatta gtgtcagatg atggatgga 300
atttgttccc ttgctttccc ccaactgttac tgcctcagtt tatagattgc cagcagagtt 360
cagaaataga gcagggattt acccgtttct tgcttggaca tcccattttc tttgtccag 420
acctatgttg gcaatcatgt atgaactgtg ttatacttct ca 462
```

<210> 1082
<211> 279
<212> DNA
<213> Homo sapiens

<400> 1082

```
aaataaccatc ctttgtctcc gttaaaagat tttcatccat ttattcaaaa accttttaag 60
ttcaactgtc caatttaaga cagagtgaag acatttttga gtatctgaac taagcattgt 120
cttgactgaa acgaagtaag aactcaatga gagtccttgt gggcctccca gtcattgcctt 180
tccgtagata gggaacttca tctttgttgg tcatcacgcc tgctatgtct aaatgtgccc 240
acttaggatg agttacgaat tctttcagga atgctgcag 279
```

<210> 1083
<211> 328
<212> DNA
<213> Homo sapiens

<400> 1083

```
gtggaaagtc caacagatgc cccactcaca agatagggcc ctccaatcag tcttctggct 60
ccctttcact catagtaact gggtgtctctt cctattgggtc atagataaat gacacctgca 120
caattctccg agtgctttca agcaacttcg ggaggcagtg actaagaccc tttccttgcc 180
cccagcttcc tatgtccag ggctgctgt ggcacctgga ctgctgctgc cctgggtcc 240
cgtacattcc agggcaaca tggagggaagg gcaggcaacg catgaggaat taacagtctt 300
tattgggctc agaccaggag tccgtggg 328
```

<210> 1084
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 415
<223> n = A,T,C or G

<400> 1084

```
tttttttttt ttttttccat tcctaggggg aatgggcccc aaggttttgt ttttttattt 60
cgtttttggg gtacagggtgg tgtttgggta catggatgag ttcttttagtg atttctgcga 120
ctttagcgca cccatcacc gagcagtgt cactgtaccc aatatgtagt ctttcatccc 180
tcaccccaact ccaagattta gttctgccag acgatacatg ttgccttcac ttcttttttag 240
tttatttgcc tggacccatc taagtcatac ttaaaactct ataaagcatt ttttttcttt 300
```

0950300-03104

gaaatggtct cagctccttc ttgatcctct ccattttcca cccaatctcc tctatccctc 360
 tccctttact gcctgaaatc ggctgtagat gtagcagttt ctggaggaaa tgaanatttg 420
 tgggtggttct ttccagtcac caggttgtga aagtctta 458

<210> 1085
 <211> 581
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 550
 <223> n = A,T,C or G

<400> 1085
 ctgcaaggat tcagcaccag ttatgtttga atgaaccctc cttttctctg agattctggt 60
 ccctggaaat ccctttctgc tagtggtgag catgtaagt ttaagttttt aatctgggag 120
 cagggcatag gaagaaaatg tcagtagtgc taatgcattt tgcaactagaa cgcttcggga 180
 aaatattcat gcttgccatc tgttcatttc taaatttata ttcataaagt tacagtttga 240
 tacaggaatt attaggagta attcttttct gtttctgttt ataatgaaga acactgtagc 300
 tacattttca gaagttaaca tcaagccatc aaacctgggt atagtgcaga aaacgtggca 360
 cacactgacc acacattagg ctgtgtcacc attgtgtggt gtacctgctg gaagaattct 420
 agcatgctac ttggggacat aatttcagtg ggaaatatgc cactgaccga ttttttttct 480
 ctctttgcag tggggctagg acagttgatt caacaaagta tttttttctt ttttctcagt 540
 cctaatttgn acaggtcaaa gatgtgttca ggcattccag g 581

<210> 1086
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 1086
 aaaaacacac ctcaccaagc tcagccacca gcttaaaaag gactggacaa tactttttacc 60
 actttccctt ctcagaaatc aggcctgtcc tcagaatgtt acaaggtaca gcccatittaa 120
 gctcttt 127

<210> 1087
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 1087
 aaaggttaat ttgtagaaca aatgttttta ctatactttt tttctactct atactcccca 60
 gttacaatat ttacaaaggg ctgaagtcta tataaaaaaa tgatcttttg ctgggcatgg 120
 tggctcatgc ctgtaatccc agcacttttg gaggtcgagg caggcggatc acgaggttag 180
 gagtttgaga ccagcctgac caacatgaag aaacctgtc tctactaaaa atacaaaatt 240
 agccaggcat ggaggcaggc gcctgtaatc ccaactactc gggaggctga ggcaggagaa 300
 tgccttgaaac ccgggaggcg gaggttgagg tgagttgaga ttgtgccatt gcactccagc 360
 ctgggtgaca aagcgagtct caaaaaaaa aaacatctt ttactttccc ccatccctca 420
 ttttagtcaa acttctccca cctcatttct gcc 453

<210> 1088
 <211> 321
 <212> DNA

09920300.073101

<213> Homo sapiens

<400> 1088

```
ccagcggctg gtaaggagcc agggcctcca ggtaggagaa gtctgggtcc gtgaatatga 60
cgggtattgag actagatttt cccagagct ccatgaagtg gaccacgtcc ccgaagcggg 120
gggaagggtg cccggtgaac accacacagg gctgtctaaa gtcgttgctg aagtctccgt 180
ggatgctggg gtagtgcttc agcttattgg tctgaatgag ctctgcatga ggaaaagggtg 240
gttctggaag atacacctta ctctgtttgt tgtgacaaag ccactcagca aagatctggg 300
aaaactccag tgaactgttg g 321
```

<210> 1089

<211> 409

<212> DNA

<213> Homo sapiens

<400> 1089

```
cctgtggtgt aggggactga attttttttt taacttctat tccattttta ttgtaggata 60
tctttgtcca tatacccagg tgtcctgatt tgaatgtact atttgatcct cattgtgttc 120
aggcaaaaaa taggaaatga gtaattttga gtttgaaatc tctcccagaa gacaaactac 180
ttcagtgagt aaaagctttg acattttatg ttttattcat aaagggggtt aattatttgc 240
taciaagaag cacgatctat ttcatcatc gatttgaaaa tatctgtaac tctatagat 300
cctataggca gagagttttc ctttctgact ttttcccttt gctttcgtgt gaccacatgt 360
tttctgtacc agtcactggg gaaagaagtg agtttatctc gtttgtttt 409
```

<210> 1090

<211> 281

<212> DNA

<213> Homo sapiens

<400> 1090

```
aaactcaaga ctggctccag gagagaggag gacggacact aggttgaggg gccaggccac 60
actcactctg gaccacctgt tgttccggg tcaagttccc agggtcacac cagcctgcct 120
ctgcaggaca agaggaccaa gctgcccttg agtggacact gtgaggctgg ggctcgtgg 180
agctcttcac atggacaaa cgggaaaatc aggaaagctg gtagtgctg gagcttcact 240
cccagccagg gcagcacctc tggcctctaa ggagaaaggc c 281
```

<210> 1091

<211> 479

<212> DNA

<213> Homo sapiens

<400> 1091

```
agggcctcct gcattccggt tctctggcgg gaagggtcta gtgttcatcc ctctcaggct 60
ttggcctcct cccactctcc cgccctgggg ccattcgtt taggaagaat gggagagccg 120
gtcgtggccc ctgggcgggg taaaggaggg aggcttggt aacctctgct ggggaggacc 180
cagtacagtg gcagctcctt gtcggggaaa gaacggatct ggggaaagaa cggatctgcg 240
tcacacgctc ttacagggga accctaaggg gcctgagggg tagggcttgg tctccacca 300
gagggaaagg gaaatttttc gtagtctaaa gaaatgtatc agaagccatg gaacatttac 360
agccgcacac gctgggtctc ccaacaaaca gatcccaaaa atattttcca gtgctgtact 420
cgtggcatag acccagaccc acagaccagg aggaagcgct ggagatgtca acagccaac 479
```

<210> 1092

<211> 520

<212> DNA

T07E20"00E02650

<213> Homo sapiens

<220>

<221> misc_feature

<222> 490, 510, 519

<223> n = A,T,C or G

<400> 1092

```
aaagcataca tgagatagta tctttcattt agtcctaagc ttgattatth atgctcattg 60
taatatttca gtgacattct ggacataaat ttcaagtata tcacatata cttattgtta 120
aatatcaaac aaagctactg actgtgaggg aaaaatttca gtgatttttt ttgtttgttt 180
ttttgttact taccctgaga tactcatccc acagtatatc tgagatttag ctgaacattt 240
acaaatttta acaaattttt tttctttcca ttgcatgcat cgatatgcca aattctgcac 300
ttcaatccag gtaaaataat gatagtgttt gtaaaccaga tagtgaaaac cagtgtgttt 360
tctaatactg cccatgatag acagagtga atcacagcat aaacagtagc caggaaccta 420
tactgcaaac atttggcttc aagtatcttg caacaaatag ctactaatat gaccatacac 480
ggtacatagn acaccacagt cctggattgn agcatgccng 520
```

<210> 1093

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 429

<223> n = A,T,C or G

<400> 1093

```
ctgatctacg agtctgccat cacctgtgag tacctggatg aagcataccc agggaagaag 60
ctgttgcccg atgacccta tgagaaagct tgccagaaga tgatcttaga gttgttttct 120
aaggtgccat ccttggtagg aagctttatt agaagccaaa ataaagaaga ctatgatggc 180
ctaaaagaag aatttcgtaa agaatttacc aagctagagg aggttctgac taataagaag 240
acgaccttct ttggtggcaa ttctatctct atgattgatt acctcatctg gccctggttt 300
gaacggctgg aagcaatgaa gttaaataag tgtgtagacc aactccaaa actgaaactg 360
tgatggcag ccatgaagga agatcccaca gtctcagccc tgcttactag tgagaaagac 420
tggaaggnt tc 432
```

<210> 1094

<211> 104

<212> DNA

<213> Homo sapiens

<400> 1094

```
aaaagaaacg atcaatacta aatattagca gctaaaacat cattgattct tgtggcttta 60
gaactttcac aactgagag ctccataaga ggaaaaaagc aaag 104
```

<210> 1095

<211> 419

<212> DNA

<213> Homo sapiens

<400> 1095

```
atgaggtcaa gtgatcgaga ccctccttgc caacatggtg aaaccccgtc tctacaaaa 60
```

05920300-073104

```
tacaaaaaat tagccaggcg tgacggtgcg tgccctgtagt cccaactact cggaaggctg 120
aggcaggaga attgcttgaa cccgggagggc agagggttgca gtgagccgag atcgaccac 180
tgcactccag cttggcaata gaggtagact ccatctcaaa aaacaaaaca aaacaacaac 240
aaaataaact actgtggcag cgttggtacc ctgcatcact gccatgggtg tgctattctc 300
atctcaacat agaattgggtg ggttctccta aggggtgtcag gaacctctaa aaagatgtga 360
ttctttggga ggggatattt gaaattccaa ctccattcc ccctagcaaa aggaagcag 419
```

```
<210> 1096
<211> 112
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 47, 48, 63, 68, 79, 83, 102, 104, 106, 107
<223> n = A,T,C or G
```

```
<400> 1096
tttttttttt tttttttttt tttttttttt tttttttttt ttttttnncc ctccctccaa 60
gtnttttntt tttttttgng ttnttaaaaa aaaaacaaaa ancncnncca aa 112
```

```
<210> 1097
<211> 202
<212> DNA
<213> Homo sapiens
```

```
<400> 1097
ccaggggtctg gaagggccct gggagcgccc accccctctg gatgagtcg agagagatgg 60
aggctctgag gaccaagtgg aagaccagc actaagtgag cctggggagg aacctcagcg 120
cccttcccc tctgagcctg gcacataggc acccagcctg catctcccag gaggaagtgg 180
aggggacatc gctgttcccc ag 202
```

```
<210> 1098
<211> 491
<212> DNA
<213> Homo sapiens
```

```
<400> 1098
aaaaagtcag tatcatctct cttgtggagc taccagaaca ggtttttcaa acagaaaagg 60
ggaacaaacg tggggaacaa acgtggggcg cttggctatg ttaagaattc ttatcactag 120
aatactgctt cgagacgttc atagtacttt ccaaaaagaag ccaccacact caaagagccc 180
tgcgcagccc cagtgaacca tgagtgtggc agccgtcatt ttattagcca ctgttggcaa 240
tcatcaaagt attcactcag agtggggaaa ttacttaata tcaacgatat taacgatttc 300
catgtattta gctttgtgac acacaatgca caagggtctt caaatgtttg ttttttacac 360
cagtggtaga aaattgtcat tcttcggatt caacacactg gtggatgaca ctttagtgaa 420
gtgtgactac ctagaagagc aggaaggcag ctctgattc tgactggggc agcctcttcc 480
agaaggtgac t 491
```

```
<210> 1099
<211> 218
<212> DNA
<213> Homo sapiens
```

```
<400> 1099
```

0920300.073101

```

ttccagcctg cgacctgcgg agaaaaaaaa ttacttattt tcttgcccca tacatacctt 60
gaggcgagca aaaaaattaa attttaacca tgagggaaat cgtgcacatc caggctggtc 120
agtgtggcaa ccagatcggg gccaaagttct gggaggtgat cagtgatgaa catggcatcg 180
accccaccgg cacctaccac ggggacagcg acctgcag 218

```

```

<210> 1100
<211> 199
<212> DNA
<213> Homo sapiens

```

```

<400> 1100
cctagagagc tagagaagca agtaagggcc agggccagag tcggcttcaa tggaacaaca 60
gccagtgcc ctaaggcccc taactcttgc tggctgtttc ttgaccccaa gccagggttg 120
ggagtctctt gggcatccat tttttctaaa ggaactggac agagtacaca caggaaagga 180
agctgtcacc ctcttgcca 199

```

```

<210> 1101
<211> 222
<212> DNA
<213> Homo sapiens

```

```

<400> 1101
cctcggtgagg tcttgcgagg cagcttcttg gtgtgccaac gactgggtgac ccctttgtag 60
cctttgccct tggtcacccc gatgacgtcg atcatctcat cctgcccata cacttggttc 120
acaggtagct gctgctcaag cctctcgcgg gccagtgcca gcttctcggc cacagtgcct 180
ccgttcacct ggatctccat caggtggggc ttcttctggc gc 222

```

```

<210> 1102
<211> 235
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 16, 27, 113, 162, 197
<223> n = A,T,C or G

```

```

<400> 1102
aaaatgtcaa agtatngcta tacatanttg cacttttctg ctaggctggg ctagtatctt 60
ccatggcaag atcctcaaac tactgaataa aatacacttt taaatcaata tangtacttg 120
attaatttcc ctgaaattat caacatcatt accaaaatct tncaggattt tgtaagattt 180
gattccttaa atacagntcc taaagttaaa cttatggagg gaaaaaaacc ctcat 235

```

```

<210> 1103
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<400> 1103
ccagcggtcg gtaaggagcc agggcttcca ggtaggagaa gtctgggtcc gtgaatatga 60
cggtattgag actagatttt cccagagct ccatgaagtg gaccacgtcc ccgaagcgga 120
gggaagggtg cccggtgaac accacacagg gctgtctaaa gtcgttactg aagtctccgt 180
ggatgctggg gtagtgcttc agcttattgg tctgaatgag ctctgcatga ggaaaagggtg 240
gttctggaag atacacctta ctctgtttgt tgtgacaaag ccactcagca aagatctggg 300

```

F01E29.00E2E50

321

<400>	1104					
ctgagttaca	agagaaaatg	atcacatgca	tcagaggcct	ggagaaagct	aaagtgattc	60
agccaggcta	cgggtgttcag	tatgattact	tagatccccg	tcagatcacc	ccttccctgg	120
agactcattt	ggttcaacga	ctcttctttg	ctggacagat	caatggcacc	actggttatg	180
aggaagctgc	agctcaaggt	gtgatagccg	gaatcaacgc	cagtcttcgg	gtcagtcgca	240
agcctccctt	tgtggttagc	cgaacagaag	gttacatagg	agtcttgatt	gatgacctca	300
ctactctggg	caccagtga	ccataccgca	tgtttaccag	ccgagtagag	ttccgtttgt	360
cactgcgccc	tgataatgct	gacagccggc	tcacactgcg	aggggtataaa	gacgctggct	420
gtgtgtccca	acaacgatat	gaaayagctt	gttggatgaa	gtcttcttta	gaagaaggca	480
tttctgtgtt	gaa					493

```
<220>
<221> misc_feature
<222> 156, 189
<223> n = A,T,C or G
```

<400> 1105						
ctgggtgaagg	aactcaagga	ggcttttaggt	attccagccg	ctgcctcttt	caaacatgtc	60
agcccagcag	gtgctgcctg	ttggaattcc	actcagtgaa	gatgaggcca	aagtctgcat	120
ggtttatgat	ctctataaaa	ccctcacacc	catctnagcg	gcatatgcaa	caccaagagg	180
ggctqatang	atgt					194

```
<210> 1106
<211> 337
<212> DNA
<213> Homo sapiens
```

```
<400> 1106
ctgcacggac caggttcccg caaaacattg ccagctagtg aggcataatt tgctcaaagt 60
atagaaacag cccacctgtg ccacttttga ccattggtga ggatagatat aaaatcactt 120
cttccaacga agcctagggtg aaaatctatt tataaatgga ccacaactct ggggtgtcgt 180
ttttgtgctg tgacttccta attattgcta aagaactact gtttagttgg taatggtgta 240
aaattacatt cagctccttc ttgtcatata aaaggaattt ggagggtgtc gcttaaaatt 300
ttattccacc tgtacatttg tcactttacc tcggccg 337
```

```
<210> 1107
<211> 342
<212> DNA
<213> Homo sapiens
```

<400> 1107
ccatatggtg gagatgaggg aaggatggac tagaagcaag ctgggtcttc tgggtcgtct 60

ctactccttt ttcacttcat caccgttttc cccactgagc ttgaacacag gaatctgctg 120
 accatccttg agctctaaaa agacctcgtc aagggtgccac ctctgaaagg ggccacctct 180
 ggatgagtg acgtagagaa ggccctctga tttggatcca gagacaggaa tcttcaactt 240
 ggcatcaaca atgtccacga agttttccct gtcgatgagc ttgagataat ggatgttgag 300
 aggaggggccc agagcttccct gtgcctcggg atggctctgc ag 342

<210> 1108
 <211> 549
 <212> DNA
 <213> Homo sapiens

<400> 1108
 aaattgcaaa ttaaagcatg tatttacata tttatatata aaaaacttca aaaacaaatt 60
 aatccaaatc ttggtccaag agtttccact ttataagtgg tatggtacta tgctatatat 120
 atcctcttcc aaaagtctct taggacttgg taagttccaa atattcattc acaaatgggt 180
 cccctttaag cttaatgaac catatacttc atttctgagt aaattagagg aaatattaca 240
 gaacacgctt tgtacaatac agcaccacta ctgagaaggg ctcgagggtt tgtaatccaa 300
 ggttctgact taaagcaaaa atacacggca tagattgcaa cagcaaagaa gtgtccaatt 360
 aaaactagag ggtaggaga caatacagaa agcagcccaa caggacccgc aacacattcg 420
 ccaccaagtt tgaaataaag aaaacaggct tttcttagtt gatgcaggga atcatctgtg 480
 gcagaaaata attcataaag agcctgagca aggatattca cgacaaagga atgagatgtt 540
 tttcttgcc 549

<210> 1109
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 1109
 ccaaactatt ttgaattttg ttgtccggcc ctccagtgcc tgccctctcc cttaccagga 60
 ccacagctct gttccttcgg cctctgggtcc tctctgggtcc cctcctgggt ttcttacgta 120
 gttgattttt cctcttttagt ctcccccgac ctgcgcccag ccccggtggc cctgcccctc 180
 tcctactctc tgtggcagtt tcataattgc taagacgaat ttgtcatta aacattttgt 240
 tgtattttac 250

<210> 1110
 <211> 544
 <212> DNA
 <213> Homo sapiens

<400> 1110
 aaatcagtag tctaacaagg attagaaaag aaaaaactct gttcagtgtt tctgacaaag 60
 tagaaagggt gaaaacataa ataaggcttt aatttggcaa aatataatac aatgcctttt 120
 ttatcctcaa atgaacagtt tcccaattac ttcactctaa cacctggtag tgctctttct 180
 cctttgtgag ctgttggttt accgcctgaa gcaactgctg taactgtgtt acagtctgat 240
 ttagacttac agacattgtc tccttctcag aagactccgt ttctggggaa acatcactat 300
 tttcaataac agtagtgtct ccagcagcta ttactatttt tgactggata agctccagtg 360
 actggtgagc cttatgcaaa tcaccagcta ccttctgtct ttcatTTTgt tcagttctaa 420
 gttttgtgag tgtttcattt aactgtgcct tcaactctct gacttctgta acataggtag 480
 atcgttccat ctctgccttt tctagttcca tttccaaatg ttctcgttct cttctcagat 540
 tttc 544

<210> 1111
 <211> 402

<211> 367

<212> DNA
<213> Homo sapiens

<400> 1115

```
ccagttgggc agctctttcc acgatggctt tgcggttctt ggaggaaaca ttgtgagcaa 60
tctcggcaca gtaagatttg ttgcacatca gcagcacttc cagctccttg acgttgtgga 120
ccaggaactt ccggaagcca ctgggcagca tgtgctttgt ttttttggtg cttccataac 180
caatgttggg catcaagatc tggcccttga atcttctacg aaccctgttg tcaatgcctc 240
tgggtttccg ccagttacgc ttaattttga catatcgggc tgactgggtc cggtatgaact 300
tcttggttct ctttttgacg atcttgggct tcacaagggg tctgagggcg gccatgatgc 360
cgagaag                                           367
```

<210> 1116
<211> 387
<212> DNA
<213> Homo sapiens

<400> 1116

```
ccataaagga ggtaaaaatg aaaaccataa cctaactttt atagaggctt tatctttaat 60
ttaacgatgt gcggaggact ttcttgcttg aatctgttcc gggctgtctg ctctgtccat 120
caaattgggca ggtctggaat ggggcacctt cggccgttca gaagtggcct gaacagaatg 180
ctggaaccca ggctggactc ggacacacta aggttttgat ttggaatttc agccttatta 240
gaagatctaa cctaagagta agctaaccac agggattctt ttgtagaaca ctttttatgc 300
agatgaagct attttttcca gcaagtagat tcttccagtt ttccaagga gtaatttccc 360
cgaattggca taccacggcg tggacag                                           387
```

<210> 1117
<211> 316
<212> DNA
<213> Homo sapiens

<400> 1117

```
cctttgtccg gcaacctgcc cacaggctga gctcagcccc aggccctttc aggcatctag 60
acactcccat agcctgtcag gctggggcaa ggagatccca ggtcacacat actccttgga 120
agagttggac ttagggtaag agcggggtgc acggtaacca gccttgctct cattcccagg 180
acaggaacag gagagcagtg cacctcccag gatgactagg gcagacctg cccagccaat 240
aaagatggca gggccaaact catacttaat gttggtaggg atcaaagggt tataaaagtc 300
tgtgacaatc tgatgg                                           316
```

<210> 1118
<211> 448
<212> DNA
<213> Homo sapiens

<400> 1118

```
ctggcaaaga taatgcttct gctgggctga aacctatctg aaagagaaaa aagttagctt 60
tacctgagga aaggttatac acagacaagg atggaaggta tccacttaa gatgaatcag 120
aaggtctaata tccaagatag cggattccaa aatctttttt ttctgagcca aaaaagaaaa 180
aaaaaactaa caaatctttt ttttgagacc ccaggtaaaa gaataaaaga ataggaataa 240
ttttttttta agtaacctac aaagagcaag ataggagatc tgcaaataag attttgagta 300
catagcaggg gccagtagtc accctttcac aatttcattc ttggagtcc ttaacttctg 360
gaccagaga tcattgaaaa cagtgtaaagc atgatgatgc acatcttgag aaaaatcttc 420
agaggtaaat ccaaacattg ggattttt                                           448
```

09920300 073104

<210> 1119
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 447
 <223> n = A,T,C or G

<400> 1119
 cggccgaggt aaaaaaagct gaggggtgatt agacaagttg acaagttggt ttgaaagagg 60
 taactggcct agtacaaaaa tccatagttt attgggttgg gctgttgagg agttgtagtg 120
 ctggtgaaat aaaattttcc aggatgcagt ggtcatcgca atttggcca attcaaagg 180
 tcaaggtaag ctctgtatt gtttttttt tggagctttt aattttttt caagttgcag 240
 gtcattgtagg gagtccttt tagaatggct tctccctcc atttttagagc tctgaaccaa 300
 agtgatgtca tttattttat tttattttat tattttttta gatggagtct cactctgtca 360
 cctaggctgg agtgcagtgg tgcagtctcg gctcactgca acctatgtct cccgggtcca 420
 agcgattctc ctgcctcagc ctctantag ctgggattac aggtgcacac cac 473

<210> 1120
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 1120
 cttggtggtg aaggttctgg agaagtcaga ccagaccaac atcctgagtg ccctacttgt 60
 tttgctccaa gacagcctgc tagcaacagc cagttctccc aaattctcag agcttggtat 120
 gaagtgtctc tggagaatgg ttcgactggt gctgatacc atcaatagca ttaacctaga 180
 cagaattctt ctggatatcc acattttcat gaaggtcttc cccaaagaga aactgaagca 240
 atgcaaaagt gaatttccca taaggaccct aaagaccctg ctacacacct tatgcaaatt 300
 aaaagggccc aagatcctgg accacctaac gatgatcgac aacaaaaacg agtctgagct 360
 ggaggcccat ctctgccgga tgatgaagca cagtatggac cagactggga gcaagtctga 420
 taaggaaaca gaaaaggagg catctcgaat agatgaaaaa tcatcaaagg ccaaagtga 480
 tgatttctt 489

<210> 1121
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 1121
 catcaatgta gaactcagcc ttcttgaaa gaaaaaaaag aggtccggg ttgacaaatg 60
 gtggggtaac agaaaggaac tggctaccgt tcggactatt tgtagtcatg tacagaacat 120
 gatcaagggt gttacactgg gcttccgtta caagatgagg tctgtgtatg ctacttccc 180
 catcaacggt gttatccagg agaatgggtc tcttggtgaa atccgaaatt tcttgggtga 240
 aaaatacatc cgcagggttc ggatgagacc aggtgttgct tgttcagtat ctcaagcca 300
 gaaagatgaa ttaatccttg aaggaaatga cattgagctt gtttcaaatt cagcggcttt 360
 gattcagcaa gccacaacag ttaaaaacaa ggatatcagg aaatttttgg gtggtatcta 420
 tgtctctgaa aaaggaactg ttcagcaggc tgatgaataa gatctaagag ttacctggct 480
 acagaaagaa gatgccagat gacacttaag acctacttgt gatattt 527

<210> 1122
 <211> 474

<212> DNA

<213> Homo sapiens

<400> 1122

```

aaataaggtg atagtaaatt ataccttgta gttaatagta atcaatcaat caatcactac 60
agtaatcaca aataaggtaa agtctaaatt actgccttag caaacactat gttgtcaggt 120
ttttctgctg caagcccaag gcgggaaaca ctgcagttat tagaagtgag cccaatgatg 180
aatttgcaat tgaagctggg agaaagagga aaaaaagtggt gttctgatta tggcatcgag 240
acactgtagc ctaaaaaagc aactttatta atgtcctgca gcagcgtaca ttagtaatta 300
taacaatgca ttaaaatfff catttcatgt catagagaat cagttttctt catgatacat 360
tatgttttac tgagtgaagt tgtccctcca gagacctttc tgggaacatg ctttctccag 420
ggactgcttc ctaagatgcc caggttgctt accacaggtc atctttggtc attt 474

```

<210> 1123

<211> 474

<212> DNA

<213> Homo sapiens

<400> 1123

```

tgcaaggcat gggggtgtct gctgcccagg ccacttacag tggcctggag agccagtcag 60
tgagtggctg ttacggggcc ggctacagtg ggcagaacag catgggtggc tatgactagt 120
tttgtagga acatttgagt tacttcaatc attttcacag gcagccaaca agcaattaag 180
agcagttata atagaggaag ctgggggacc cattttgcac catgagtttg tgaaaaatct 240
ggattaaaaa attacctctt cagtgttttc tcatgcaaaa ttttcttcta gcatgtgata 300
atgagtaaac taaaactatt ttcagctttt ctcaattaac attttggttag tatacttcag 360
agtgatgtta tctaagttta agtagtttaa gtatgttaaa tgtggatctt ttacaccaca 420
tcacagtga cactactggg agacgtgctt ttttgaaaaa ctcaaagggtg ctag 474

```

<210> 1124

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1124

```

ctgatcgctt ctcagcgctg cgactggaac tttccctctc attactggaa gaaacagtct 60
tagttttcac aggtttttct gtttcttctt caggctctcc ggcggctcca gctcgctgct 120
acttttcagg cttctcgtct cccgccttcc cgtccgccat tttccactcc ctg 173

```

<210> 1125

<211> 325

<212> DNA

<213> Homo sapiens

<400> 1125

```

cgaagccaag agaaactgag gaaactttcc aaaccagtat atctcagatc tcatgatgaa 60
gtttccta atagaggaaa gtttatttct gcaaatgatg agccaactag ttattgaatg 120
taaaccagat ggcaaaacac ttcttgatta ggggcaaaaa ttcaaagtc ttcttaaac 180
ctccacaatt gattctcccc ctgtgatgta aacttagata tccctagagt ttctcagcat 240
ctttcttcct gagtggatgg cattatccct agagggtcatg gaccttacat cctcactgca 300
gtcacctttg gaaacaagac cgagg 325

```

<210> 1126

<211> 268

<212> DNA

05520300.073104

<213> Homo sapiens

<220>

<221> misc_feature

<222> 266

<223> n = A,T,C or G

<400> 1126

```
cctgagcgcac cacctccctg ttcaggccca gcctctggag ttcattccta tcaatgtcat 60
tttgattgtg cagtaagatg aaaatttgtc attacaatag ttacagtgc agagaaatgc 120
acactatgta tcaaatagca aggaaatgaa gcaaattata acacagtgtg gcaacgcacg 180
agcaagtaac cattagagta gcattacttt gtccagtaaa tgcttcagtt ccaccacttg 240
tacacttacc aatgatttac ctcggnccg 268
```

<210> 1127

<211> 163

<212> DNA

<213> Homo sapiens

<400> 1127

```
aaatttacag ttctgctcat gcccaatggc cccatgcgga taaccagtgg tcccttcgag 60
cctgacctct acaagtctga gatggagggtc caggatgcag agctaaaggc cctcctccag 120
agttctgcaa gtcgaaaaac ccagaaaaag aaaaaaaga agg 163
```

<210> 1128

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 361, 437, 479

<223> n = A,T,C or G

<400> 1128

```
ccaaagacaa tgttcctttc catagcttag tctttccttg ctccagcccta ggagctgagg 60
ataactatac cttggtcagc cacctcattg ctacagagta cctgaactat gaggatggga 120
aattctctaa gagccgcggt gtgggagtggt ttggggacat ggcctaggac acggggatcc 180
ctgctgacat ctggcgcttc tatctgctgt acattcggcc tgagggccag gacagtgtct 240
tctcctggac ggacctgctg ctgaagaata attctgagct gcttaacaac ctgggcaact 300
tcatcaacag agctgggatg tttgtgtcta agttcttttg gggctatgtg cctgagatgg 360
ngctcaccac tgatgatcag cgctgctgg cccatgtcac cctggagctc cagcactatc 420
accagctact tgagaanggg tcggatccgg gatgccttgc gcagtatcct caccatatnt 480
cg 482
```

<210> 1129

<211> 313

<212> DNA

<213> Homo sapiens

<400> 1129

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agcgatttgc tgggtgtagac atccgtgtcc gtgtaaagggt tgggtggtcac gtggcccaga 60
tttatgtctat ccgtcagtc atctccaaag ccctgggtggc ctattaccag aaatatgtgg 120
atgaggcttc caagaaggag atcaaagaca tctcatcca gtatgaccgg accctgctgg 180
```

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tagctgaccc tcgtcgtcgc gagtccaaaa agtttggagg ccctggtgcc cgcgctcgtc 240
 accagaaaatc ctaccgataa gcccatcgtg actcaaaact cacttgtata ataaacagtt 300
 tttgagggat ttt 313

<210> 1130
 <211> 553
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 516
 <223> n = A,T,C or G

<400> 1130
 ccaaaaagaaa ttagcaatgg gaaatggttg ctttatttgg tgaaagtaga atccaaagga 60
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 cacaactcaa gaaagaaacg ggaaattact gaaaaacaga tagatgataa cagaaaattt 180
 tctttatttg ctgaaagaaa ataccagact cttaactgta gcgtgaacgt gaactgtgtg 240
 aacatcagat gcccgctgcg ggggctggac agcaaggcgt ctcttatttt gcgctcgagg 300
 ttatggaaca gcacatttct agaggaatat tccaaactga actacttgga cattctcatg 360
 cgagccttca ttgatgtgac tgctgctgcc gaaaatatca ggctgccaaa tgcaggcact 420
 caggttcgag tgactgtgtt tccctcaaag actgtagctc agtattcggg agtaccttgg 480
 tggatcatcc tagtggtctat tctcgtcggg atcttnatgc ttgctttatt agtggtttata 540
 ctatggaagt gtg 553

<210> 1131
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 1131
 ccgccgcttg tgctgcagcc atgtctctag tgatccctga aaagttccag catattttgc 60
 gagtactcaa caccaacatc gatgggcggc ggaaaatagc ctttgccatc actgccatta 120
 aggggtgtggg ccgaagatat gctcatgtgg tgttgagg 158

<210> 1132
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 1132
 ccagaatggt ctggatctcc tgacctcgtg atctgcccgc ctcggcctcc caaagtgtctg 60
 ggattaccgg tgtgagccac cgcacccagc ctaaagttgg tttcttgaag cagttgatga 120
 gattgggata ctggttttca gaaatgattg gagtgattta tgtaagttgg gaggggtttt 180
 ttgatggggt tggttaaggtc ttacgttaaa ggaaaggat acagagataa atattggtac 240
 ttgagtcatt agctttcaaa gaagcctggg gtaatggagg aaaggtaaga attgattctg 300
 acagaatctt gagatgggca gaattaacat ctggaagagg tcacagtgtc ctgatttacc 360
 ttacctgtgt ccaggatgg 379

<210> 1133
 <211> 252
 <212> DNA
 <213> Homo sapiens

09920300 "073401

<220>
 <221> misc_feature
 <222> 205, 248
 <223> n = A,T,C or G

<400> 1133
 ctgaccaggc ttggagaatg agaaagggtt cccaaggaca ggatgccagc gggattcttt 60
 gttgcaaact gcacacagtg caatTTTTtg gaagcaggga tggggagtgg gcatgagacc 120
 gggttgttgg gaccactctg gggtcaggcc ctgggtgagg cacaggaggc tgcacacagg 180
 cacttgggtg gttctgccgg gtcanggtgg gaaggcagga gtagtgtctg tggcaggacg 240
 ggaagaanct tc 252

<210> 1134
 <211> 533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 401
 <223> n = A,T,C or G

<400> 1134
 ccagcccaaa cagtgtatta atcattagca aatggaactt taaggagtcc ttatcattaa 60
 ggtagtacia gtatttataat tgtaaaactg atgtgtagct tgatcttttag gggacaggac 120
 caccaaccaaa tacatgcaga ttttgtgtgt gtggacagaa ggtacttttg acattcagtt 180
 ttgctatata gaaacagaat gaataaatga actTTTTtct ttttctttt ttttgcaaga 240
 ggtaagtaaa agattcaatt tgattcttct agagggggga aaaaggagt gaaagtaggt 300
 cttcattttg cagtcatcat ctgtacgaat tcttcatagt tgacttgctc gtctccatca 360
 atatctgctt ctctgatcat ttcactctact tcttcatctg ntagttttt tctaagttt 420
 gtcattgacgt gacgtagttc tgctgcactg atataaccat tgccatcctt gtcaaagact 480
 cggaaatgcct caccgatttc ttcttcaacta tctggatcct tcatttttct agc 533

<210> 1135
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 1135
 ctggctaatt cagtcatgca aactctgctc tcacagttaa aacagttcta tgagccaaaa 60
 cctgatctgc tgcctcctct gaaattagaa gcttgtattc t 101

<210> 1136
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 1136
 gtgagggtccc agcttgaaga gaaagaaaac aagaagttcc ctgtgtttta ggccgtgtca 60
 ttcaagagcc aggtggctgc ggggacaaaac tacttcatca aggtgcacgt cggcgacgag 120
 gacttcgtac acctgcgagt gttccaatct ctccctcatg aaaacaagcc cttgacctta 180
 tctaactacc agaccaacaa agccaagcat gatgagctga cctatttctg atcctgactt 240
 tggacaaggc ccttcagcca gaagactgac aaagtcaccc tccgtctacc agagcgtgca 300

05920300.073101

cttgtgatcc taaaataagc ttcatctccg ggctgtgccc cttgggggtgg aaggggcagg 360
attctgcag 369

<210> 1137
<211> 519
<212> DNA
<213> Homo sapiens

<400> 1137
ccttctcctg tgcttgggtg aaggtacaga cctcgtctgt tctccgatga ggtcagaagt 60
gtctctatct cataccacaa aggaacccaa gtgggagtag ggaacagatg gatggcgca 120
agacctctgt gtctccccag agaaaggaag aaacttaaga accatcatag cctggtcctc 180
caacatctta cagatcatgt tttccaagag aaaagcctgt gttttcagaa actctgaatt 240
cagaaaaaga aacggaatgt gcgtaagaat caggccactg cctggaaaga ctttctctca 300
attcgtagcc tgaggctcag tgaaggaaac atgcagaaag aatgcctgag acgccccag 360
ggaataaggg aactctttat aacctccagt gctgtcatct gggatttttc tctgaagtac 420
aagaatttca ggtgatttaa gctgcttgat cacacttatt tgtgcaaaat tgattttcat 480
ttaatgttaa tgttttcctg cttaatTTTA tataacttc 519

<210> 1138
<211> 511
<212> DNA
<213> Homo sapiens

<400> 1138
aaaagcagtc aagctgtctg gactgcaccc tctcaactga agttgagcca aattcccttc 60
tctcaaacc taacgccgcc atcactaaga gaatgggcat ctcggcttgg tcagagcatt 120
actaacaagc taatgtggga ttctcttttg ttatgaattt ttatttttat ttaagcatac 180
aaaaaataca gctagaagta ggctcctgca ttctaaaagc atttttaatc aacttaaact 240
atgttcttgg aaaattcacc acctggactg gttcagctctg cccatttccc tgtggaatct 300
agtatcagtg ttgtatttag caaattcatt tgagtgaaga acagtgactg atattcagga 360
gccccgagg gtgggggagg ccggcctggg cagacttaga tgctgtccat agctttgaac 420
tcgctgaggg cctgcaccgg gttcacgtgc ttcttctgag atgcccgttt aatcttggtc 480
tgtgtctcat cctgtttctc tctcttcacc a 511

<210> 1139
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 422, 518
<223> n = A,T,C or G

<400> 1139
ttttttttaa atatttattc cagttattct aattcagaag cattcttttc aagtaacagc 60
agcacttggt aaaggaaaaa aaatgcacat gtttcttagt aggttactaa atttgtacaa 120
ttaattaaga ttttagccat cagtgaagtt gaaaaggga atgtatttat tttcagcatt 180
aaaatgcttc caaaagatca agttgctttt gtttgtttgt ttttttaacc gtaatgtaga 240
tgagaaatt ggaggcaacc tcagtatagg aactgccact ttgaacagtt taggtcttaa 300
agagaaagtc aatctaagtc caaggggaga acaatgagct gaaattgtac caactcctct 360
ggccctcctt ccctcaatta aaaaaacaca cttaccagtt ttgcttattt tacagatatc 420
tngtggttct atagttttaa gcagcttggt aaattaaaa agtggactca attttgttta 480

cctttctgta agtttttcat ttttgctgta tagcattingc aaaaatatgt aca 533

<210> 1140
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 79, 80
<223> n = A,T,C or G

<400> 1140
cctttctact caggctaattg acaaacacaa taaaggcaga tatgctagtt taacataatt 60
ggctgatttt atacagcann ttatatcttt tagtccacaa gtatattatt aaatgataga 120
gaacatctaa tacaaccatt tctacagaac taggaaataa atttctaaga aagaaagatt 180
ttacagaccc catcttttat acccacccca acagtctaac tctaaagagg ataaagccaa 240
tgactttcct cacaagagct cagcactaac gtcgctttgc tatcaaaatc tgtattttctg 300
atccgttatg agcattgaga caagattcaa atattccc 338

<210> 1141
<211> 88
<212> DNA
<213> Homo sapiens

<400> 1141
ctcagcctgg tgaaccacac aggccagcgc tctgacatgc agaaggtgac cctgggcctg 60
cttgtgttcc tggcaggctt tcctgtcc 88

<210> 1142
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 80, 165
<223> n = A,T,C or G

<400> 1142
tttttttttt ttttttaggat cttaaaaaac catttaataa aaaaaatctt tgaagggaca 60
aatgggaagt ttctacttan agtttgattt acaagacaat aggaggaatc agatttgga 120
acacaacagg cttgaacact ttctggagac tgagagacag ttcanagtca gccctcaccg 180
ttaaccagac ccctgg 196

<210> 1143
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 420, 439, 465
<223> n = A,T,C or G

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<400> 1143

```

aaaaaatggg atcaaaggaa gaggaaaatg ggcaagggtca tctcaaaagg aaacgacctg 60
tcaaagacag gctaggggaa agaccagaaa tgaactataa aggtcgatac gagatcacag 120
cggaagattc tcaagagaaa gtggctgatg aaatttcatt caggttacag gaaccaaaga 180
aagacctgat agcccagta gtgaggatta ttggtaacaa aaaggcaatt gaacttctga 240
tggaaaccgc tgaagttgaa caaaatggtg gtctctttat aatgaatggg agtcgaagaa 300
gaacaccagg tggagttttt ctgaatctct tgaaaaacac tcctagtatc agcgagggaac 360
aaattaagga cattttctac attgaaaacc aaaaggaata tgaaaataaa aaagctgctn 420
ggaagaggag aacacaagng ttggggaaaa agatgaaaca agctnttaaa agtctaaatt 480
tt 482

```

<210> 1144

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1144

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ctgctgcaga gcagccagca gggagtcctt gcctcactcg gaggtccctg agcccaatcc 60
cacaccctgc agagttctcc cctctctctg atccaggccg ggctgtaca gaggtgctgg 120
ctgcttgttt acattctcct ctggggctct acctctccac acttccccag aagggaagaa 180
ggcaccctgg attactcttt ggaaatcact ccttggtggg cagcatcctg aggcttcccc 240
agaaccagg 249

```

<210> 1145

<211> 344

<212> DNA

<213> Homo sapiens

<400> 1145

```

cctggaaaac attctccaaa aagaagctgc aacatgtgtg gacaatgggc ttttcatgcc 60
tctcttactg tctcttactg tctattgatc tggtgcaaga aacatgctct ggtgatggct 120
gtgaggaggg aatgaggata gacatagaca ctctgtgtc tcaaacatgc ttctttatta 180
ctctgttatg actctgtctt ccctggggca ggaccccagc ctgcctacat ttgcagacag 240
acacagtggc atgtggagac aacagtgtgt cccaaagact tttctttacc ccctagctgt 300
cggcagtact cagtgggaagg gtgatattat gacactgaca ctgc 344

```

<210> 1146

<211> 373

<212> DNA

<213> Homo sapiens

<400> 1146

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cctgtggatt ggcattccaaa tacagagtct tacgcagcgg ggacgtgggt gcgcgccccg 60
catgccacgg aaagcttaca taagtttaac ttgaacagag cttgggaaat ggggctgcaa 120
aggagggcag ttcccacgcc aggaaccaac gtgaaagcat tggaaatcagc acaacagcca 180
tggaaatcagg caggcagggg aggacgggct gtgtccttct gagctctata gtacagcaag 240
atttcaagca gtttccagaa aaacaacaac aacgacattt tctttcctta tcgacgggat 300
atattatggg tctggaagct tcgtgttgca cataggaaaa aaaatttctc tgaaacgtac 360
aattcatagg gac 373

```

<210> 1147

<211> 432

<212> DNA

09520300"02E2650

<213> Homo sapiens

<400> 1147

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ctgcaggagc aggatcagaa gcaagcctat gaaaaacaac agaagcatgc agcgactttc 60
ttttatagca ccgcagcatc ccaggaagcc cagaatcatg atgatggcac ctacagcaat 120
caatatgtcc acagcaacgt aggagctaga gcctacatct tcagaaccaa aaattgcttg 180
agagtcattg cttactcgta cccatattgc taatgctagg atcaagatac cacatagcca 240
gaacaagaag ttgaaggtaa acatagaata ttttatacag gcactcacac ctgccatttc 300
ggaaaaggat taggaatcca gatgccgtga atttaactat tcgttacagg cttgtcctgc 360
aatatgctct ggagcaactt gcctgcagag atttctgtat ccacggcttc agagcagaaa 420
gagaaagcaa ag 432
```

<210> 1148

<211> 299

<212> DNA

<213> Homo sapiens

<400> 1148

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ccacactcat ccatcagggtg ctggaggccc ctggtgtcta cgtgttttga gaactgctgg 60
acatgcccac tgttagagag ctggctgaga gtgactttgc ctctaccttc cggctgctca 120
cagtgtttgc ttatgggaca tacgctgact acttagctga agcccgaat cttcctccac 180
taacagaggc tcagaagaat aagcttcgac acctctcagt tgtcaccttg gctgctaaag 240
taaagtgtat cccatatgca gtgttgctgg aggctcttgc cctgcgtaat gtgcggcag 299
```

<210> 1149

<211> 543

<212> DNA

<213> Homo sapiens

<400> 1149

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ccaactatgc ctctcagaac atcacctacc actgcaagaa cagcattgca tacatggatg 60
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaatagat gttgaacttg 120
ttgctgaggg caacagcagg ttcaattaca ctgttcttgt agatggctgc tctaaaaaga 180
caaatgaatg gggaaagaca atcattgaat acaaaaacaaa taagccatca cgcctgccct 240
tccttgatat tgcacctttg gacatcgggtg gtgctgacca ggaattcttt gtggacattg 300
gccagctctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa 360
aactttctct ttgccatttc ttcttcttct tttttaactg aaagctgaat ccttccattt 420
cttctgcaca tctacttgct taaattgtgg gcaaaagaga aaaagaagga ttgatcagag 480
cattgtgcaa tacagtttca ttaactcctt cccccgctcc cccaaaaatt tgaatttttt 540
ttt 543
```

<210> 1150

<211> 311

<212> DNA

<213> Homo sapiens

<400> 1150

```
ctgaagatga tgaggatgac gatgtcgata ccaagaagca gaagaccgac gaggatgact 60
agacagcaaa aaaggaaaaa tttaactaaa aaaaaaaaaa gccgcgtga cctattcacc 120
ctccacttcc cgtctcagaa tctaaacgtg gtcaccttgc agtagagagg cccgcccgcc 180
cacgctgggc agtgccaccc gcagatgaca cgcgctctcc accacccaac ccaaaccatg 240
agaatttgca acagggggagg aaaaaagaac caaaacttcc aaggccctgc tttttttctt 300
aaaagtactt t 311
```

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<210> 1151
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 1151
 tttttttttt tttttttttt tttttttttt ttttttccaa gaattgggaa ggttt 55

<210> 1152
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 1152
 ccagtacaac acctatccca tcaagctctt ctatacgtcc aacatcccca tcatcctgca 60
 gtctgccctg gtgtccaacc tttatgtcat ctcccaaatg ctctcagctc gcttcagtg 120
 caacttgctg gtcagcctgc tgggcacctg gtcggacacg tcttctgggg gccagcacg 180
 tgcttatcca gttggtggcc ttigtctatta cctgtccctt ccagaatctt ttggctccgt 240
 gttagaagac ccggtccatg cagttgtata catagtgttc atgctgggct cctgtgcatt 300
 cttctccaaa acgtggattg aggtctcagg ttctctctgcc aaagatgttg caaagcag 358

<210> 1153
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 1153
 aaacttgatc caacctcttt gcactttaca aagttaaaca gctaaaagaa gtaaaataag 60
 aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cagcctcat tacgattcgc 120
 ctgcttgctt ctctgttca atcgtttctt tggaaaggcag tggatttttc tcttgcgctc 180
 ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg ggtttgtcag 240
 acatgggtgc ggaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctgggtctgcg 300
 cagtggccca 309

<210> 1154
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 1154
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60
 agtcccatga aattaattat tttctctgct tgatcttggg ggacagtttc atgaagctgt 120
 cagttagttc attaaagttt tggaaattct cagacagtgc agtggatatca gaaacttgta 180
 ttcaagagta caggtcagag tcttcttttc ttttcttttt gagatggagt cttgctctgt 240
 tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc 300
 aagcgattct cctgcctcag cctcctgagc ag 332

<210> 1155
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 1155
 aaaaaaaaaa cgccaaaaaa ctggacttag tttcatctat tgtaacattt acctgagatg 60

```

atcattttctt tagtctagaa tttagcccaa atcagaagta tacctctgaa ttatctgtat 120
gtgtcctgga ttccctgggg tcagattttt cctctggttt ccaaggcatt tttttttctt 180
taatgcagta aaaccattcc tttaaaaccc aaaatctctc atggaacccc tacgtatcaa 240
atatataaag caggagctgc ccttggttcag ggataatatg tggggcttat ggctctaaga 300
aacacagttt gacattcact gctctcctta cttcagttac ctcatggtat agataaatgg 360
gctggggcca gagagggggc atgacctgtc ctgggacacg cagccactga agcctttagt 420
ccagtgtctc ttccacagca ccacactgga ttctggagtc tttccagcca gggcagagga 480
agctgcaaca gtgccacgat aagagtttct ggggtcttctg gtacctaccc tctca 535

```

<210> 1156

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 45, 346

<223> n = A,T,C or G

<400> 1156

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tttttttttt ttttttttta caaagtaaac tatgattttt attgngaagt tttcatagat 60
ggaaaattga atattctgtc catttcattt tacaattatc ttaccactta tttttgtacc 120
atgtatttca attgcctggt tagtgaaaaa taaaaattaa aaaaacctat tcatttttgg 180
cttggtgtta gcttaaattt tatcattaaa ttaaggagcc cacaacaaaa tgtgttgcca 240
gcagccatat cccaagcccc tgcgtgaaga atgttttggc tgctatttca acctaaaggaa 300
acaacgtttg acctcagtca ccttaaaatg ccagtgtggg cagaanattt tttattcctc 360
acaattaaaa accaaacaaa aaccacctagg atcttgaagg tcctatttca gaaaatcttc 420
atatatgcaa aatgtcacca aaataaatac atttgcttca attatcatta ccaccagta 480
ttcatgtttt aatttttagg gatataattt ctaaattt 518

```

<210> 1157

<211> 498

<212> DNA

<213> Homo sapiens

<400> 1157

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ccagagttga ctctaggtag tgatgtgatt ttcttgggat gtttttctaa atattctttt 60
atgctaaagc acatggcttg atacttctgt tgattaagct cgtgtctact tacagtcac 120
tagtgagaac ctgtgggtgt gtgagatgat aacttgggtc ttggtcttca tcatttgaac 180
tagttttggt ttgtcttgt cccttccttg agcattttgt gtgtgtttaa tcctatttgg 240
taaacgaacc actgtgaaag accaagttgg agaaaacaga acacccocaa aacatttatt 300
tttttttttag aaaatcatgg ctcaactatg tagtatacaa tattgttttc acacatgtac 360
acttgaaacc aaatttctaa aacttgttt tcttaaaaaa tagttgttgt aacattaaac 420
cataacctaa tcagtgtgtt cactatgctt ccacactagc cagtcttctc acatttcttc 480
tggtttcaag tctcaagg 498

```

<210> 1158

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1158

```

gatgaatgcg gctgttaaga cctgcaataa tccagaatgg ctactctgat ctatgttgat 60
aaggaaaatg gagaaccagg caccctgtgt gttgctaagg atgggctgaa gctggggctc 120

```

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ggaccttcaa tcaaagcctt agatgggaga tctcaagttt caacaccacg ttttggcaaa 180
 acgtttcgatg ccccaccagc cttacctaaa gctactagaa aggctttggg aactgtcaac 240
 agagctacag aaaagtctgt aaagaccaag ggacccctca aacaaaaaca gccaaagcttt 300
 tctgcaaaaa agatgactga gaagactgtt aaagcaaaaa gctctgttcc tgcctcagat 360
 gatgcctatc cagaaataga aaaattcttt ccttcaatc ctctagactt tgagagtttt 420
 gacctgcctg aagagcacca gattgcgcac c 451

<210> 1159
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 1159
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 ggttttcatt tctctttcat aacgggcctt gtccgctttt gccatatctt caaattttcc 120
 tttctcttta gcagacatgg tcttccacct ctctgagcac ttcttagaaa actctgagaa 180
 gttgactgaa gcatctgggt gcttcttctt atgctcctcc cgacaagttt gcacaaaaaa 240
 tgcatatgat gacattttgc ctctcggtt cttaggatct cctttgcca tgtttagtta 300
 tttttcctca gcgaggcaca gagtcgcca gtgcccgtcc ggctctcact tgccccggcg 360
 ctgtctctat ggagc 375

<210> 1160
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 1160
 ctgagcctgc actcataaat atgatactgt cctgcttctc ccttgctaata ataggcaata 60
 aagagctttc tgaaggggaa gaaatattat tattaactg atttaatgaa ttactataat 120
 tgcagtttca ataattagtt ttgtaaaatg caactggat agcagttttt gaagttttct 180
 aattttttcc ttctgttcac ttgggttctg ttaggtttgc cttttacca ttgtctgagg 240
 aagaggagga ggatgaacaa aaggagccta tgctgaaaga aagctttgaa ggaatgaaaa 300
 tgagaagtac caaacaagaa cccaatggaa atagtaaagt taacaaagca cagg 354

<210> 1161
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 1161
 aaacagttgg aacaccggtg gcaactgttaa ctgctttctg ggcagcctct ttagcttggt 60
 gggcttgtag tacagctaca gcttcac 88

<210> 1162
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 1162
 cctcagccat gaaggggtcca acagttctct tcagtgggct ggggtcaaat tacaagggga 60
 attggatgca ttgg 74

<210> 1163
 <211> 86

<212> DNA
<213> Homo sapiens

<400> 1163
aaatacatcg tgacctgtgt aattatgcag aagaatggag ctggattaca cacagcaagt 60
tcttgcttct gggacagctc tactga 86

<210> 1164
<211> 132
<212> DNA
<213> Homo sapiens

<400> 1164
aaagaggatt ctcataagga aagcaatgac tggtcttgct ggggataaaa aagggtcttg 60
gagattcatg cgatgtgtcc aatcggagac aaaagcagtt tctctccaac tccctctggg 120
aaggtgacct gg 132

<210> 1165
<211> 434
<212> DNA
<213> Homo sapiens

<400> 1165
ccgggcaggt ctgtatcacc acagttaata gatgtctgat gtgtcccagt cacagagata 60
atacaaatgt gaggaataa tgctggtgcc tgaaagcatt ggagaccatt tgtaagaatg 120
ccatttggtg gttaaagtga acatgaaaat tggttagttt ttcttggttt cataaacatt 180
ttttcttcct gtagaactga taaatttcaa acggaagaga gtggcagcat ttagaaagaa 240
tctaattgaa atgtctgaac tggaaataaa acatgccagg aacaatgtct cccttttgca 300
gagctgtatt gacttgttca agaataactg atatgccttc actcagaaga aaagaaatga 360
atgtgaaaga aagccaagca tcaattgcac ttaaatcatt accacggaag atatattagc 420
ttcaacttta gttt 434

<210> 1166
<211> 398
<212> DNA
<213> Homo sapiens

<400> 1166
cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaat 120
cttcttcagt cgctccaggt cttcacggag cttggtgtcc agaccattgg ctaggacctg 180
gctgtatttt ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcggtgga ttctgcataa tggatgatcac acgttccacc tcatcctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
cacaccctta atggcagtgga tggcaaaggc tattttcc 398

<210> 1167
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 508

05520300-03101

<223> n = A,T,C or G

<400> 1167

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ttacgaagtt ttctcgctgt gtagaaaatg cttaaaatgt ctacatcatt ttcattacac 120
ccccttaagc atgtttttcc ttcacaaggt gcagtccatt gacagtgttc cgtattgcac 180
gtgcaattta actttattag cactatttgt agcaaacacg agcctagtga attacagatc 240
tgtgtggggc agaggggattt tgccacgtaa taatgaagct tgacaggggc attctcataa 300
actgtctggc tacatatata tttttgcatt taatgcctat tcaatatatt ctgaagggtgc 360
tactcttggg gttatcaaga gttcataggg gttaggggga agtaagagct tgtaaatgta 420
tttgggaagc acacctatgt tcacagacac aaaatggaat tgcatggtca ccccttagt 480
cttggtttgt tggctttttg tattgaanaa agggttaaat aaaaacaaaa ataa 534

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<210> 1168

<211> 495

<212> DNA

<213> Homo sapiens

<400> 1168

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ctgcaataat ccagaatggc tactctgac tatgttgata aggaaaatgg agaaccaggc 60
acccgtgtgg ttgctaagga tgggctgaag ctggggctctg gaccttcaat caaagcctta 120
gatgggagat ctcaagtttc aacaccacgt tttggcaaaa cgctcgatgc cccaccagcc 180
ttacctaaag ctactagaaa ggctttggga actgtcaaca gagctacaga aaagtctgta 240
aagaccaagg gacccctcaa acaaaaacag ccaagctttt ctgccaaaaa gatgactgag 300
aagactgtta aagcaaaaag ctctgttcct gcctcagatg atgcctatcc agaaatagaa 360
aaattctttc ccttcaatcc tctagacttt gagagttttg acctgcctga agagcaccag 420
attgcgaccc tccccttgag tggagtgcct ctcatgatcc ttgacgagga gagagagctt 480
gaaaagctgt ttcag 495

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<210> 1169

<211> 475

<212> DNA

<213> Homo sapiens

<400> 1169

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ccagaactcc tcaactggga ttattttggtg ccagtgaag aggctttgat cccaaggaca 60
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caaggtactg aaggacaaaa acttggaagg cctcaaaagg ttcttgaaca ccaactgtgat 180
tctccaagga cgaattacgt aaattatact ttcatacaaa ggagacgata aggcagttaa 240
catggagaca cgggggacag cgtccacact cagagggcct gggccacagc cccgatgttt 300
cttttcagaa ctacagccct ttcctgattt tacttctaag aggaaaatta ttttggggag 360
gaactacaca gtcgtgatta gaatttatct gatggttttg tattataact tgtaagacct 420
gccagaatgc tagtcccag agtgtcagac aaggaagaag tccctgggcc tcttc 475

```

<210> 1170

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1170

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ccaggtttct gccacattg gaccacatg aggacatgat ggagcgcacc tgccccctgg 60
tggacagtcc tgggagaacc tcaggcttcc ttggcatcac agggcagagc cgggaagcga 120
tgaatttggg gactctgtgg ggccttggtt cccttgtgtg tgtgtgttga tccaagaca 180
atgaaagttt gcaactgtat ctggacggca ttcttgctta tcaataaacc tgtttgtttt 240

```

0990300 "073101

<210> 1171
 <211> 59
 <212> DNA
 <213> Homo sapiens

<400> 1171
 ccaacatggt gaaaccccggt ctctactaag aatacaaaaa attagctggg tgtggtggt 59

<210> 1172
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 1172
 ccaagtaagc tgtgggcagg caagcccttc ggtcacctgt tggtacaca gaccctccc 60
 ctctgtgcag ctccaggcagc tcgaggcccc cgaccaacac ttgcaggggt ccctgctagt 120
 tagcgcccca ccgcggtgga gttcgtaccg ctcccttaga acttctacag aagccaagct 180
 ccctggagcc ctgttggcag ctctagcttt gcagtcgtgt aattggccca agtcattgtt 240
 tttctcgct cactttccac caagtgtcta gagtcattgt agcctcgtgt catctccggg 300
 gtgg 304

<210> 1173
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 1173
 ctgtgacggc ttggagaaac agtgtaaact ggcagtgtaa acaaaagcag ggcatgtatg 60
 agtagttgag aatggtgaat aggagtatga ctagacagaa gatagtaggg atgacaagtt 120
 atttgggggc acagtctaag tttgtctggt gtctggaatg aggctggggc ctaataaaaa 180
 ggaacgtcta tacaggagct caaatgggct gtaccttgta gcattctgag gacagg 236

<210> 1174
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 1174
 cagggtccaca tatgcccctg tcatctctgc tgagaaagcc taccacgaac agcttactgt 60
 agcagagatc accaatgctt gctttgagcc agccaaccag atggtgaaat gtgaccctcg 120
 ccatggtaaa tacatggctt gctgcctgtt ataccgtggt gacgtgggtc ccaaagatgt 180
 caatgctgcc attgccacca tcaaaaccaa gcgtaccatc cagtttgtgg attggtgccc 240
 cactggcttc aaggttggca tcaactacca gcctcccact gtggtgcctg gtggagacct 300
 gg 302

<210> 1175
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 1175
 cgcaaaacta accccctaataaaaatt aaccactcat tcatcgacct cccaccccca 60

05920300-073101

tccaacatct ccgcatgatg aaacttcggc tcactccttg gcgcctgcct gatcctccaa 120
atcaccacag gactattcct agccatgcac tact 154

<210> 1176
<211> 435
<212> DNA
<213> Homo sapiens

<400> 1176
aaaagcaaca tgtttttata agaaaattgt tataaatgaa aaacgtgact tcttgaagac 60
agttttgaat gtctaaaaat gttgttatca ctactgagag gaaacttgcc tatgaaaaat 120
attataatga gtttgtggaa aaaagttaac aggttaaata ttttaagcca ttttaactata 180
gcataatatt agtcatctga gcactttcag tatcactcct attttattaa atttatccaa 240
tttattaata gaaactaggc cctgattggc agttctgtta ttactaatgg ttcaagtttt 300
ctatttacac agattttaag atttaatttc tcgaacaaca gtctcttgat taggagtttc 360
gtcttcttca aagggtgggt tgtcaacatg aggaataaca tccactgcca cagaatttgc 420
ttcatgggtt accag 435

<210> 1177
<211> 267
<212> DNA
<213> Homo sapiens

<400> 1177
ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgtgcggtta tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggc ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgccac 267

<210> 1178
<211> 236
<212> DNA
<213> Homo sapiens

<400> 1178
aaaagtagta ttaataaagg cttcaaaact ccaaagtaat tttctggtaa gaatttcaag 60
tactatatca gaaagtataa aactgtttca aacagaaaaa aaaaatcctt aagccccca 120
aaaatggaaa ctatgaaaat ctgtgtcccc aaaatatatg caatagtgc agactttccc 180
tcaaacatgg aagacctcat tcaaaggggg aaaaagggac agattttact catatt 236

<210> 1179
<211> 316
<212> DNA
<213> Homo sapiens

<400> 1179
cctttgtccg gcaccctgcc cacaggctga gctcagcccc aggccctttc aggcattctag 60
acactcccat agcctgtcag gctggggcaa ggagatccca ggtcacacat actccttgga 120
agagttggac ttagggtaag agcgggggtgc acggtagccca gccttgctct cattcccagg 180
acaggaacag gagagtagtg cacctcccag gatgactagg gcagaccctg cccagccaat 240
aaagatggca gggccaaact catacttaat gttggtaggg atcaaagggt tataaaagtc 300
tgtgacaatc tgatgg 316

```
<220>  
<221> misc_feature  
<222> 339  
<223> n = A,T,C or G
```

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<210> 1181
<211> 604
<212> DNA
<213> Homo sapiens
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```
<220>  
<221> misc_feature  
<222> 550, 563  
<223> n = A, T, C or G
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<210> 1182
<211> 601
<212> DNA
<213> Homo sapiens
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<400> 1182						
cctgctgggc	ttggcaacga	gggactcggc	ctcggaggcg	accagacca	cacagacact	60
gggtcaagga	gtaagcagag	gataaacaac	tggaaggaga	gcaagcacia	agtcatcatg	120
gcttcagcgt	ctgctcgtgg	aaaccaagat	aaagtatgcc	attttccacc	accaagcaag	180
cagagcctgt	tgttttgtcc	aaaatcaaaa	ctgcacatcc	acagaacaga	gatctcaaag	240
attatgcgag	aatgtcagga	agaaagtttc	tggaagagag	ctctgccttt	ttctcttgta	300
agcatgcttg	tcaccgaagg	actagtctac	caaggttatt	tggcagctaa	ttctagattt	360

ggatcattgc ccaaagttgc acttgctggt ctcttgggat ttggccttgg aaaggatatca 420
 tacataggag tatgccagag taaattccat ttttttgaag atcagctccg tggggctggt 480
 tttgtgccac agcataacag gcactgcctc cttacctgtg aggaatgcaa aataaagcat 540
 ggattaagtg agaagggaga ctctcagcct tcagcttcct aaattctgtg tctgtgactt 600
 t 601

<210> 1183
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 328, 385
 <223> n = A,T,C or G

<400> 1183
 ccagatttct ggcacttgta gcaagctcct gtgggaggag gttctggagg aacgcctggc 60
 tgctgcggtt cagggtgttg gaagttcttg tttgctggag atgtggctgg ggtttgtctc 120
 acagtggagg caaggaattg caactttttt tttttattat tgtacacctt gaaggcgagg 180
 ttaattaaat cctgttgttg agtttgaggg ccggaattta atttttggag ttttatttaa 240
 tatcgggagc agattgggta ataaaatgta tattgagaat aagacggcct tttgaccttt 300
 tagggctctag ggctgtaaag tgtctcangg ttgctgccga acgagccatg aactgggctg 360
 ggtttttata tttgatgaaa aagancctaa acgcttctga tttgggataa agaaaaagga 420
 gcattaacct tgactatgtc tttagc 446

<210> 1184
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 384
 <223> n = A,T,C or G

<400> 1184
 aaaaatcagg caagttgtct gtaacatttt tcaataatct gggaagcact gcaatccagt 60
 gtacgatgtg ctgattagtg ttgtctttgt tggcactgac ccaccaaggg aatgacatgt 120
 acgatgaaga aaaagtgaag tacactgtgt tcaaagtatt gaagaactcc tcgcttgctg 180
 agtttggtca gagcctctct cagaccatgg gatttccaca agatcaaatt cgattgtggc 240
 ccatgcaagc aaggagtaat ggaacaaaac gaccagcaat gttagataat gaagccgacg 300
 gcaataaaaac aatgattgag ctcatgtgata atgaaaaccc ttggacaata ttcctggaaa 360
 cagttgatcc cgagctgggt gctngtggag cgaccttacc ccagtttgat aaagatcatg 420
 atg 423

<210> 1185
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 209, 216, 228, 242, 260, 287, 305, 353, 355, 382

0920300 "03404

<223> n = A,T,C or G

<400> 1185

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aaactccaaa tgctgcagat gaaagtaaata acaacaaatg caagtaaata caacaaaata 60
acaataaaat cacttgtgtg ctgacttgct ggattctggt taagcacaga tgggatgttc 120
ctgatattca ctaagaagag tctaactaat ggctactgtg tgtgtgtcag tagcccaggg 180
tttttttttt tttttttttt ttaagggana acctancatt ttatttanat cttcattaaa 240
cngtttgaat tgagaaccan acatacgtaa taaacctcca aaaatanatc ctgaaaggca 300
cttnttgctt agggcaagca gtcattggaat aagcatgtaa acaagctggc ttntntgtac 360
cacaccagcc aagtcagctt tntccatgg 389
```

<210> 1186

<211> 309

<212> DNA

<213> Homo sapiens

<400> 1186

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ccaccatctc gcgctccttg cggtcgggga agccgtagtc tggcgggaag gttggctgtt 60
tttacatcta aagcaataga ctagaactga attatcttct acatagtaaa atcacattg 120
tggaattaca ggaattctgg tgatattaag gtgaaataac aaaacacaaa aggccctatt 180
ttaacagttg atgtgacagt aagttttaat agaacctgta acttcatttt ggaaatgctt 240
ctccacaaa taagggtttt ttccctatt taaggagcca gatggattga aagatgtgga 300
aataggcag 309
```

<210> 1187

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1187

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atcacatctc cccaaaatca tctaagagac atatttacac aagttctgac catgctaaaa 60
aattcatgaa tgtgatggtg tataaagcat ttggtacatg atgatacttg ctttccagaa 120
gctggcattt gcatattata aaacgttaag aagaaggctg acctcggaat gtaacagaca 180
atagttttat gtttcttctc aatatacagt gacctggaag gactccctgt tgtaaaaacc 240
tgcttcccc ctgctcagcc tgccatcagc catccag 277
```

<210> 1188

<211> 67

<212> DNA

<213> Homo sapiens

<400> 1188

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caggctgcca gccccccagt ccagccctct cccttccact ggtgccttgc ttagagccag 60
aagggat 67
```

<210> 1189

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1189

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aaacagttgg aacaccggtg gcaactgttaa ctgctttctg ggcagcctct ttagcttggg 60
gggctttag tagactaca gcttcatcaa ccttagaacg gagtgactct ggagactcga 120
gcatatgaag aagttctgaa ttatcaatct ccaacaacat gccagtgatt ttaccagcaa 180
```

09920300 "073101

gagtaggggtg catggcttga ataagaggaa acagccgttc acccaacatt tgcttttgct 240
 cttgaggagg ggcagatgcc aacatggaag cagtcaaagg ttcctgacct tgtacatgaa 300
 cagcaggctg ttgcattgta acttgtggct gtgcattaag atgttgctga ggattgcgaa 360
 ctctgcagc atatttatac tgtggaacgg tgcggacagc aggagtagct gcagcggctg 420
 cag 423

<210> 1190
 <211> 279
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 35, 126, 186, 229, 269
 <223> n = A,T,C or G

<400> 1190
 nccagctcga tgaaactccg tctctactaa aaatntaaaa attagcagag cacagtggca 60
 cctgcctgta atcccagcta ctccaggagg tgaagcatga gaactgcttg aacctgggag 120
 gcggangttg cagtgcgccc agattgtgcc actgccctcc agcttgaca atagagcaag 180
 atttcntctc aaaaaaaaaa agaaaaaagaa aaccattatt ttgcaatanc caatgttata 240
 atctacacag gcacagacta tcaatgctna aaatcattt 279

<210> 1191
 <211> 580
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 561, 571
 <223> n = A,T,C or G

<400> 1191
 cctacttctg cttcctcagg acaacttccc cacctctgtc ctgggaccac ctgcccgcct 60
 gggcctgcag tgactaagga cgctgctccc actccagggg ccagtgcag agagcagcta 120
 tacagagggc ccaccccgcga ggatccttga caggagctga gacagaacaa actgctgctt 180
 gtctccctac cctgggggct gtgataattct tggtaacatc tctgagctgg tctgtgaggt 240
 cacttcctct ttaacactg ttgaggagac tccaaaccct gtcttttctc cgtcttctca 300
 tgtcgattgg gcaccagcca ttctcaggca ccagagcaca gccccacacg ggtgccccat 360
 cagacagggc tgcccacagc agcctcctac acctgaactg ggtttctctg cacactcaca 420
 gccgtctcac cagctcaatg agctgctgga tgtttttgtt ttggttcgac aagccgttcc 480
 tgatgttttc gagtaggcat ctcttcaatt caaatatggc ttcactgtag gccaaagctca 540
 ctgcggccat gggaggtgct ncgtgccaca ngacctcggc 580

<210> 1192
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 1192
 ccacactctt caagatcctg gcgtccttct acatcagcct agtcactctt taaggcctca 60
 tctgcatgta tacactgtgg tggatgctac ggcgtccct caagaagtac tcgtttgagt 120
 cgatccgtga ggagagcagc tacagcgaca tccccgacgt caagaacgac ttcgccttca 180

09920300 "073101

tgctgcacct cattgaccaa tacgacccgc tctactccaa gcgcttcgcc gtcttcctgt 240
cggagggtgag tgaaaacaag ctgcggcag 269

<210> 1193
<211> 396
<212> DNA
<213> Homo sapiens

<400> 1193
ccttcctccc ttccagcaact ggggctcaac agtggactga gtgtttggta gtgtacattt 60
ccaatcttaa tagagcaaag ccagacttct gctttgatga ctgagctaca gggacaggag 120
tgggtccaagg ttctcaaatt ctgtttttgt tttttccag acttctatac tattgtctgc 180
cctaggctgt agggaaatgct ggtagtttg ctgaacagac actgtgttca gcagggtttg 240
tggatatctca aatcccagggt ctgagccaaa gctttgcagt tcacctgac tccagggaac 300
agggcctcct ttcgagggtga ggcacttggg ttcttgcct tgcttcttcc cagtgagaac 360
tgtttccctcc tacttctaca agcattgcac tgccag 396

<210> 1194
<211> 341
<212> DNA
<213> Homo sapiens

<400> 1194
ccaccaattg gatccaggag aaagtgtggc tctctcagga ggtggacaaa ctgagagtga 60
tgttcctgga gatgaaaaat gagaaggaaa aactcatgat caagttccag agccatagaa 120
atatacctaga ggagaacctt cggcgctctg acaaggaggt agaaaaacta gatgacattg 180
ttcagcatat ttataagacc ctgctctcta ttccagaggt ggtgagggga tgcaaagaac 240
tacagggtatt gctggaattt ctgagctaag aaactgaaag ccagaatctg cttcacctct 300
ttttacctgc aataccccct taccccaata ccaagaccaa a 341

<210> 1195
<211> 423
<212> DNA
<213> Homo sapiens

<400> 1195
ccaccaatgg tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta 60
catacttccc ccattattcc tagaaccagg cgacctgca ctccttgacg ttgacaatcg 120
agtagtactc ccgattgaag cccccattcg tataataatt acatcacaag acgtcttgca 180
ctcatgagct gtccccacat taggcttaaa aacagatgca attcccggac gtctaaacca 240
aaccactttc accgctacac gaccgggggt atactacggc caatgctctg aaatctgtgg 300
agcaaacccac agtttcatgc ccacgtcct agaattaatt cccctaaaaa tctttgaaat 360
agggcccgta tttacctat aacacccccct ctacccccctc tagagccaaa aaaaaaaaaa 420
aaa 423

<210> 1196
<211> 314
<212> DNA
<213> Homo sapiens

<400> 1196
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ccagggtgctt attaggccgt gctccaaagt catcgctccg tttctcactg tgatgatgaa 120
gcatgggttac attggcgaat ttgaaatcat tgatgaccac agagctggga aaattgttgt 180

gaacctcaca ggcaggctaa acaagtgtgg ggtgatcagc cccagatttg acgtgcaact 240
 caaagacctg gaaaaatggc agaataatct gcttccatcc cgccagtttg gtttcattgt 300
 actgacaacc tcag 314

<210> 1197
 <211> 71
 <212> DNA
 <213> Homo sapiens

<400> 1197
 aacgagttca tcttcagcc catccacaac ctgctcatgg gtgacaccaa ggagcagcgc 60
 atcctgaacc a 71

<210> 1198
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 1198
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 tcaggatcct ggctctatgg gttgccttcc tctgggtctg taaagcccct gcaggcaggg 120
 acttcttaga tagctgcttc cttaggggcat ggcatgtagt gggggtgtaa tgaatggaag 180
 agaggggaatg agtgatcaag ggagggagga gggagtggag tggagatttc tcatcctttc 240
 ctgttaattt atgacatcct cctgcctatg agtccttgac tctggagttt tacaaagcag 300
 tcacatttca aataaaagtc tgggaaagca acacatcatc gccaaactttt aattttgcta 360
 aataaggata ttagaaaaag aatagaaaat tgcagtcctt tactgttt 408

<210> 1199
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 1199
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 acagctacag tctaaaattg cttctttacc aaggatattt acagaaaaga ctctgaccag 120
 agatcgagac catcctagcc aacatcgtga aaccccatct ctactaaaaa tacaaaaatg 180
 agctgggctt ggtggcgcgc acctgtagtc ccagttactc gggaggctga ggcaggagaa 240
 tcgcttgaac ccgggaggtg gagattgcag tgagcccaga tcgcaccact gcactccagt 300
 ctggcaacag agcaagactc catctcaaaa agaaaagaaa agaagactct gacctgtact 360
 cttgaataca agtttctgat accactgcac tgtctgagaa tttccaaaac tttaatgaac 420
 taactgacag cttcatgaaa ctgtccacca agatcaagca gagaaaataa ttaatttcat 480
 gggactaaat gaactaatga ggataatatt ttca 514

<210> 1200
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 1200
 aaatgagatt cgttattggt gcttttatgt gaatccttag tacatggcct gctgcaaaca 60
 cccaggacac cgaggaaatg gtcgttgctg tttgattttc ctcatcccca gtctcaaggg 120
 gaagccaggc caatgagaag agccacttgc catcaggctg tcccttttagg agtcactgaa 180
 agggccccag ggtgggatgg tggggagata agaaccacga gagaagttgg cacaaaggag 240
 ttatg 245

05920300 073104

<210> 1201
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 1201
 ctgaaaacag tgggaggcca gatgctggcg tcttccaggc gggaacgtag ccatgatcac 60
 tctagggccg atgtctcctg gggctctccg gcaggacaag acaggtgcac cggtagctgtg 120
 caatcccagt ttacttaga gccacctctt gtttgggggg gcattagtc tcatctcatg 180
 ccagattttc 190

<210> 1202
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 1202
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 ggagctgtgg taagggttgg gccccagcc tgtagggaac tttctggact cccactcttt 120
 gaatcgatat aggcatttgg tctcactact tgaccattct caccctgtga aacgtccac 180
 actttgaagc aaatacaatt cacagcacag tacacacaaa aaccttggca taagacagag 240
 aagggtcttc ttattttgtg ggctgggttc tgtagaaaca cataacaaag ggcagccctc 300
 cacttctggt ataattgtgt agcccccttt ctttgggctt gacacctgtc ttgaataaga 360
 gtgattagag ctgcataatg tccctctctt ggctattgac catgtgggtc acgtacaaaa 420
 ctctgtataa gttgaaggaa aatgttcatg ttcataatgta cttgtttgct atgactacat 480
 tttgagggtt tgtaaaactg ttattttttt tttttcacia tgtgaaactg aagggtcaata 540
 aattattaga ga 552

<210> 1203
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 1203
 aaaaagtaca tctctctccc tctctcccca catgcacaag gctcacatct cattatgggtg 60
 cggcccatgt acattaaagt gtgatacttg gttttgaaaa cattcaaaca gtctctgtgg 120
 aaatctgaga gaaattggcg gagagctgcc gtgggtgcatt cctcctgtag tgcttcaagc 180
 taatgcttca tctctcttaa taacttttga tagacagggg ctagtgcac agacctctgg 240
 gaagccctgg aaaacgctga tgcttgtttg aagatctcaa gcgcagagtc tgcaagttca 300
 tccccctctt cctgaggtct gttggctgga ggctgcagaa cattgggtgat gacatggacc 360
 acgccatttg tgg 373

<210> 1204
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 1204
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 gctggtagtt ctgagtgtct cggtgtgtgc aggtgttga gaggggttcag caccaggggt 120
 cttgtgtctg ttattgccag gtgcaactcag agagacattc tgaaggggaac cctgcaagtt 180
 gcctgttgtt gttcttccca ggggaggact gagcatacaa ccaactgcttc ccaagggagg 240
 cttttcccac aaagggggca cagcagtctc ctgtccattt tttactgggtg gaccacccat 300

09520300.073401

ggctgttgcc tcctcaggta gactgatgcc tgataaccca ttggcactga gtttccccag 360
 tgatgctgcc tgcagcagtg catccatctt ctctcctagtt tcctcttttg tgagagccag 420
 ctctctcttc aggagctcgg cgccatgccat atgctgccat tctgtaaagc agtgtcggga 479

<210> 1205

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1205

ctgtgatgtc ttggagaaac agtgtaaacc ggcagtgtaa agaagagcag ggcattgtatg 60
 agtagttgag aacggtgaac gggagtatga ctaacagatg aggatgaaat ttgggcttca 120
 ctgaagtaat gggggctgtc tgtgaagcct tgtggcagtg cagcccaggt aatttgttga 180
 gcctaattggg tgtcaggggtc agtctaagtg aaggcaaaga gaggctggga tgaaggggtgc 240
 aaagcaatag taaagaaagc atgtctgaga tccagaacag aataatgggt agtagaggga 300
 ggtattgagg ataggagagt atatgggttt ggcaccacgg ggtggatagg caaaacaatt 360
 tggttgataa ggcgcagatc ctgaactaac ttgtaaaggct tgtctcgttt taggacagga 420
 aaaatggggg aattgtaaagg agagtttata gggttt 456

<210> 1206

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1206

aaatacattt tcaaaattat ctattactag gtccactggt ctccacataa tgaaactatt 60
 ctggcttcaa gtggtactga ccgccgcctg aatgtgtggg atttaagtaa aattggggaa 120
 gaacaatcag cagaagatgc agaagatggg cctccagaac tcctgtttat tcatggagga 180
 cacactgcta agatttcaga ttttagctgg aaccccaatg agccttgggt catttgctca 240
 gtgtctgagg ataacatcat gcagatatgg caaatggctg aaaatattta caatgatgaa 300
 gagtcagatg tcacgacatc cgaactggag ggacaaggat cttaaaccga aagtacgaga 360
 aatgtttctg ttgaatgtaa tgctacatga atgcttgatt tatcaagcgc caaaaaggca 420
 ttgtatagta ggaaatgtaa gtgggggtggc ttatggcttc tttatcctct gattctagca 480
 ctttcaagtg agctggttgc gtactgtatc atattgtagc 520

<210> 1207

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1207

aaagaaggta aaattggaaa aaaaaaaaaa aaagaatttt tttttgtttt aattaaacc 60
 tctccttaca aaataaataa ttttagcaag tggaatgtct tgaagggtta ctgctggtgt 120
 tctgagaggc acaggtgaca gagcgagcag gcatctgcct tccacatggg gccagggcag 180
 gcaaccgggg gcagtgtgct cgggcactta ttggctgctg aaacattccc agaacagatt 240
 tcatctcctt tgcttgccct ttacctcttt cttaaagact cagtgaacaa gcaaaggcag 300
 gaggaaatgc actaaaagag tgcaaatgtt tcccagcagc accgttttaa ggctcaagggt 360
 gtttttctct tctttt 375

<210> 1208

<211> 454

<212> DNA

<213> Homo sapiens

05620300 "073101


```

agcaaaagag aagcatctag cagagatcaa gcggaaactt ggaatcaatt ctctacagga 300
actaaaacag aacattgcca aagggtggca agacgtgaca gcaacatctg cttacaagaa 360
gacatctgaa accttatccc aggctggaca gaagg                                     395

```

```

<210> 1212
<211> 463
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 38, 129, 168, 206, 217, 250, 262, 288, 303, 314, 323, 332,
363, 365, 381, 425, 443
<223> n = A,T,C or G

```

```

<400> 1212
tttttttttt tttttttttt tttttttttt taaggggngc actttttattc aactgggtctc 60
aagtcagtgt acaggtaagc cctggctgcc tccaccact cccagggaga ccaaaagcct 120
tcatacatnt caagttgggg gacaaaaaag ggggaagggg gggcaccnaa ggctcatcat 180
tcaaaataaa acaaaataaa aaagtnttaa ggcgaanatt aaaaaaattt tgcattacat 240
aatttacacn aaagcaatgc tntcacctcc cctgtgtgga cttggganag gactgggcca 300
ttntccttaa aaanaagtgg gngngctttt angatggcaa gggacttcct gtaacaatgc 360
atntnatatt tggaatgact nttaaaaaaa caacaatgtg caatcaaagt cctcggccac 420
attgngaact ttgggggatg ctngctccaa ccgactggtg tca                                     463

```

```

<210> 1213
<211> 359
<212> DNA
<213> Homo sapiens

```

```

<400> 1213
cctagggggc atatcaaggg tttaatagac tgggggaatg ggcaacagaa ctggctacct 60
tagaggtctt ggaatgcccc ccaccatcc acccaccaat ggaaggaaag tcaggcatcg 120
cctaaaagga gtggtcccta tctagcccca agtctggagc agaaagggca ggtccattct 180
ggcccaagtg acattgttag atcctgtccc ctcccccaat cactgctgct tgccagggtg 240
cctcttcaca gttcccatgt ggcagcagta gtggcagagg cagaagtgga cttattgtag 300
attgcagtac agatacatgg acacaatcat ggcagccagc tcgaggcccc caattccag 359

```

```

<210> 1214
<211> 595
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 574, 578, 582, 588
<223> n = A,T,C or G

```

```

<400> 1214
tgcatatcag ttgagcttca tataaccagca atatatctga agagctatta tataaaaacc 60
ccaaactgtt gattattagc caggtaatgt gaataaattc tataggaaca tatgaaaata 120
caacttaaat aataaacagt ggaatataag gaaagcaata aatgaatggg ctgagctgcc 180
tgtaacttga gagtagatgg tttgagcctg agcagagaca tgactcagcc tgttccatga 240
aggcagagcc atggaccacg caggaagggc ctacagccca tttctccata cgcactggta 300

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05960300-03404

tgtgtggatg atgctgccag ggcgccatcg ccaagtaaga aagtgaagca aatcagaaac 360
 ttgtgaagtg gaaatgttct aaagggtggtg aggcaataaa aatcatagta ctctttgtag 420
 caaaattctt aagtatgtta ttttctgttg aagtttaca tcaaaggaaa atagtaatgt 480
 ttataactgt ttactgaaag aaaaagacct atgagcacat aggactctag acggcatcca 540
 gccggaggcc agagctgagc actcagcccg ggangcangc tncagganct cggcc 595

<210> 1215

<211> 354

<212> DNA

<213> Homo sapiens

<400> 1215

agtcagtgcc ctgtatgctc tccagggtgca ctgctataac agcaacttcc caaaaggcat 60
 gttacttcgc ttttttgtgc acttctatga catggaaatt attgaagaag aagctttctt 120
 ggcttggaaa gaagatataa cccaagagtt tccgggaaaa ggcaaggctt tgttccagggt 180
 gaatcagtgy ctaacctggt tagaaactgc tgaagaagaa gaatcagagg aagaagctga 240
 ctaaagaacc agccaaagcc ttaaattgtg caaacatac tgttgctatg atgtaactgc 300
 atttgacctt accactgcga aaattcattc cgctgtaatg ttttcacaat attt 354

<210> 1216

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1216

aaagtaaaaa tttccagatg cctcaaaaagc agtgagttca atttggtgtc ttgtgttctg 60
 gcaaagaaca gttaagttaa cagcactgca gtcacagttt tcaaagtctg tgaccaatta 120
 tttgagagtt ataactctga ggctccattt tcaaaatatg tgggataaca ctgtcaattc 180
 gtatatggcc aatgagacct ttgaaaaaca attcttcagt gatggtagca ttcacagctc 240
 ttaaagctgg caatctgagt agtagtctgg ataacctgta ggtgtcatct ggatatgttt 300
 tggttatata atcttggaaat tccacataag ccttttctct aaatttctct atctgttcca 360
 tgttttctag gcttggatga tctggacaga agagtactat tgccttcagg taggcatatt 420
 cgtatccatc aatgcagagt ttaaccatgc tgttacaaaa ctctgtagt ttgaagatgt 480
 gctccatcaa taattttctt ctttc 505

<210> 1217

<211> 458

<212> DNA

<213> Homo sapiens

<400> 1217

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 tctttgctgg caggactatg ctgaatctcc ttaggcactc tctaatacaga tgtcctagggt 120
 cctcccaatt cttagacctt ttataacctgt ttttctcctt ctcttattcc atttagtttc 180
 tcaattcatc caaaaccgta tccaggccat caccaatcat tctatacaac aaatgtttct 240
 tcttacatcc ccacaatc accctttacc acaagacctc ccttcagctt aatctctccc 300
 actctaggtt cccacgcgcg ccctaactct gcttgaagca gccctaagaa acattgcccc 360
 ttctctctcc ataccacccc cacaaaaaatt ttgcgcgccc caacacttca acactatatt 420
 gttttgtctt attaatataa gaaggcagga atgtcagg 458

<210> 1218

<211> 505

<212> DNA

<213> Homo sapiens

09920300 03101

<400> 1218
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 gaaaactaag actcccaaca taaacagggc cttgaggggg gggattacag gcacttgggc 120
 atggagtctt cggctgcagg aagcactccg cttattcttc aggaatggga aaggcgtgac 180
 ccaacgagag catctgtctc agagctccac tcaggggtcac ccctctccag aggccggtat 240
 ggggtggctt cagacttcca ctgcacgacc tggagcacca agaccacaca ccacaatacc 300
 aaattcaccc aagaagaggt ttcagcattg tgtaggttgg agtaaaactg cagagcagtt 360
 ccagggggtg tccatggaat tttctgggct tcagaacagc taattgtagt gttcaaggag 420
 atgatggagt tgcagagaga cctggtgcc aatcgaagga tacaggcaga caccaagacc 480
 aggaagacgg ctatagctga gatgg 505

<210> 1219
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 1219
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 aggtgaaagc catcaaagaa ttgggtgacc acgtgaccaa cttgcgcaag atgggagcgc 120
 ccgaatctgg cttggcggaa tatctctttg acaagcacac cctgggagac agtgataatg 180
 aaagctaagc ctcgggctaa tttcccccata gccgtggggg gacttccttg gtcaccaagg 240
 tagtgcatgc atgttggggg ttcctttacc ttttctataa gttgtaccaa aacatccact 300
 taagttcttt gatttgtacc attccttcaa ataaagaaat ttggtaccca aaaaaaaaaa 360
 aaa 363

<210> 1220
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 1220
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 gcaatgttta agtacctgtg acaggcttct atgtcaaaca aacaggatgc tctggttctt 120
 gtccattttc ctagcttatt acgataaaga atttctgatg attcccatgt ttgacggtcg 180
 tccgaactgt ccttagtagg gcaggaagtt tctgaagtga catctttgg 229

<210> 1221
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 1221
 ctgatatctc ctggtgctat ccccaaactg ccactcttaa ctcttgaagt aaacaaataa 60
 tctttgctgg caggactatg ctaaatctcc ttaggcactc cctaatacaga catcctgagt 120
 catcccaatt cttagacctt ttataacctg ttttctcctt ctgttattcc acttagtttc 180
 tcaattcatc caaaaccgta tccaggccat caccaatcat tctatacgac aaatgtttct 240
 tctaacatcc ccacaatata accccttacc acaagacctc ccttcagctt aatctctccc 300
 actctagggt cccacgcgc ccctaataccc gcttgaagca gcgctgagaa acatcgccca 360
 ttctctctcc ataccacccc caaaaatttt cgccgcccc acaacttcaac actattttgt 420
 tttatttttc ttattaatat aagaaggcag gaatgtcagg 460

<210> 1222
 <211> 315

09520300.073101

<212> DNA
<213> Homo sapiens

<400> 1222

```
ctggccgaca agactgtttt attgcaggtg cgttctcttg agagcgtggt ggggcccac 60
ttccctctcc ccacccttta gctagcccag catggttctg aacaaaatga aagtcttaag 120
ggccatagag gggaaagaaa aaaaaagaga accagcacat tacaaagcga ccatccccac 180
atccattcct aggacgggcc ctcagggcgg tgggtgcatc gtgaggaggg agcggcattg 240
gatgttagca ccaggatatt acagaacagc tcgagagcgc ttcaggaacg cgggcaagtc 300
caatctgcag agtgg                                     315
```

<210> 1223

<211> 524

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 509

<223> n = A,T,C or G

<400> 1223

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aaaaagctgg gcatggtggc atatacctgt gggtccaggt acctggaggg ctgacgtagg 60
aggattgcct gagcccagca ggccgaagct acagtgaact gtgattgtgc cactgcactc 120
cagcctgggc gaggagagca agactctgtc tcaaaaataa atacataaaa tacagcgctc 180
aaaagtgtgt catcttcttt ctcttcacaa ttttataata agggggtaaa atgcctgtga 240
gtctattcat tatggaaaat aaaaaagaaa caaccattta aggctgaggg attttggttt 300
tctgtctggc ttttagattat taactgcatt aagcccctca ctataacttc accagtatcc 360
tagaaacaat ttgggtttcc tttttaggca gggacaggaa gtattcaaag gacagacata 420
tggacagagt taggccttc agggttgaag tctgtggttt cttgtgtctc aagactcaat 480
gtcttgagaa gttggtggac cctgtcctnc atccaagaag tgct                                     524
```

<210> 1224

<211> 488

<212> DNA

<213> Homo sapiens

<400> 1224

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ccacagaagt tgctgctgac gctctgggtg aagaatggaa ggggttatgtg gtccgaatca 60
gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
tccgcctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
agagaaaaatc agttcgtggt tgcattgtgg atgcaaatct gagcgttctc aacttggtta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
tgggcccaca aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tccgccagta tgttgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag 420
caccacaagt tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggcgtattg 480
ctctgaag                                     488
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<210> 1225

<211> 64

<212> DNA

<213> Homo sapiens

<400> 1225

05520300-073104

ctgtgctgtg gagagaagct gatgttttgg tgtattgtca gccatcgtcc tgggactcgg 60
agac 64

<210> 1226
<211> 503
<212> DNA
<213> Homo sapiens

<400> 1226
ctcagagaaa caccaactga aaagagccag gaaaacccgg gaattttcca aaaggtcttc 60
acgttaaact tgtcttatct caggagagag cccgctcttg tctcccagtt cctggtaggg 120
tctgcctgtt ggaaagtgt cctggatgct tctgggctcc gtttggaat agcaatcttg 180
gctgatgtgc acagtctggc tcccagctca cctttttttt ttaaagtaag aaaatagttg 240
ctaccgatag ggactttgcc aagtccaatt atcttctagg attgaaagggt gcattttccc 300
cataaaaaag gcgaggaaaa cccatggctg ctttgtgtca cctcagtgac ttacagtccc 360
ccttggcatt tagttggtag tagagccagt catccttaac aaatcttttc acattttatt 420
tctttcacat gtagtcatct tcaaaaagga aagatttggga attttagaaa aggggcaact 480
cttcttttta gcattctcat cag 503

<210> 1227
<211> 356
<212> DNA
<213> Homo sapiens

<400> 1227
caggaatggg ctgagagtgg tgtttgcttt ctccaccaga agggcacact ttcattctaat 60
ttgggggtatc actgagctga agacaaagag aagggggaga aaacctagca gaccaccatg 120
tgctatggga agtgtgcacg atgcatcgga cattctctgg tggggctcgc cctcctgtgc 180
atcgcggtca atattttgct ttactttccc aatggggaaa caaagtatgc ctccgaaaac 240
cacctcagcc gcttcgtgtg gttcttttct ggcatcgtag gaggtggcct gctgatgctc 300
ctgccagcat ttgtcttcat tgggctggaa caggatgact gctgtggctg ctgtgg 356

<210> 1228
<211> 154
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 58, 60, 62, 71, 97, 113, 130
<223> n = A,T,C or G

<400> 1228
aagctttttt tttttttttt tttttttttt tttctttttt tttttttttt tttttttngn 60
ancccaaagg nccttttatt ttttttttta aaacctntta tgccatgaat tcntagggaa 120
taggttccan cagcccaggc tccttcccat tggt 154

<210> 1229
<211> 189
<212> DNA
<213> Homo sapiens

<400> 1229
aaatcaaatg ataatttatt ctaagggttt ttacaaaata cgaaaatttt acatacataa 60

gaagaacagt ataactgagc aacttacatt ctaattaaaa ctttggttgca aaacatgttt 120
gtgactactc ttatgctgct ttcatatagt aaagttataa gaaaaacaat catatatatg 180
cagggtttt 189

<210> 1230
<211> 479
<212> DNA
<213> Homo sapiens

<400> 1230
aaatcctgag tcaagccaaa acaaaaaaca aaacaaaaac aaaacaaaac aaaaaataaa 60
gccatgccaa tctcatcttg ttttctgcac aagtcagggt ttgtcaagaa aggggtgtaac 120
acaactaagt cacagtcgcg ctagaagcat ttgaaggatg gatgatggag ccggactcat 180
catactcctg cttgctgac caccatctgct ggaagggtgga cagcgaggcc aggatggagc 240
cgccaatcca cacagagtgc ttgagctcag gaggagcaat gatcttgatc ttcacgtgc 300
tgggcgccag ggcggtgatc tccttctgca tcctgttggt aacgctaggg tacatggtgg 360
tgccgccaga cagcaatgtg ttggcgtaaa ggtctttgtg gatgtccaca tcacacttca 420
taatggagtt caaggtagtt tcatggatgc cacaggattc catgcccagg aaggaaagc 479

<210> 1231
<211> 325
<212> DNA
<213> Homo sapiens

<400> 1231
ctgagagtag acacttggtg tatgtggagt acagataagc caggggcagg ccacggcacg 60
ctccatgaaa gctaggaggg agtgaaatat cagtgatcat cgcaaggaa gaggcagaca 120
agagtaaggc acacctgact cttaggacta gcagtcagaa ccaggaggaa aggttttatt 180
gctatgcggg taggtaagaa cagattttac ttacatccat atagttactt aaagtccagt 240
tttctgttaa acatttttct taatatattg agccaaaact agtccagtta agctgaactt 300
ggtttttctg gagatgaatt gtttt 325

<210> 1232
<211> 316
<212> DNA
<213> Homo sapiens

<400> 1232
gtgacaggcc gctgcggctc tgtgctggtg cgcctcatcc ctgcacccag gggcactggc 60
atcgtctccg cacctgtgcc taagaagctg ctcatgatgg ctggtatcga tgactgctac 120
acctcagccc ggggctgcac tgccaccctg ggcaacttcg ccaaggccac ctttgatgcc 180
atttctaaga cctacagcta cctgaccccc gacctctgga aggagactgt attcaccaag 240
tctccctatc aggagttcac tgaccacctc gtcaagaccc acaccagagt ctccgtgcag 300
cggactcagg ctccag 316

<210> 1233
<211> 516
<212> DNA
<213> Homo sapiens

<400> 1233
aaaaagaatg acgtttacat ataaaatgta attacttatt gtatttatgt gtatatggag 60
ttgaaggga tactgtgcat aagccattat gataaattaa gcatgaaaaa tattgctgaa 120
ctacttttgg tgcttaaagt tgtcactatt cttgaattag agttgctcta caatgacaca 180

05520300.073104


```

caaatcccg c taaataaatt ataaacaagg gtcaattcaa atttgaagta atgttttagt 240
aaggagagat tagaagacaa caggcatagc aaatgacata agctaccgat taactaatcg 300
gaacatgtaa aacagttaca aaaataaacg aactctcctc ttgtcctaca atgaaagccc 360
tcatgtgcag tagagatgca gtttcatcaa agaacaaaca tccttgcaaa tgggtgtgac 420
gcggttccag atgtggattt ggcaaaacct catttaagta aaaggtagc agagcaaagt 480
gcggtgcttt agctgctgct tgtgccgttg tggcgt 516

```

```

<210> 1234
<211> 218
<212> DNA
<213> Homo sapiens

```

```

<400> 1234
gctgtctagt tttgtttttg ttttgagatg gagtttctact cttgttgccc aggctggagt 60
gcaatggtagc aatctcagct cactacaacc tccgccttcc aggttcaagc aattctccta 120
cctcagcctc ccaagtagct gggattacag gcatgcacca ccatgcctgg ctaatatattt 180
tttgtatttt tagtagagat ggggtttcac catgttgg 218

```

```

<210> 1235
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<400> 1235
gtggttgtca ttgtgtgtct gtgtgtggtt gtgtaactgt catcgtgtgg ctgcatgact 60
gggatttgtt gggttcggga ggtccgcggg tgtgcgtgtg ctgtgcgttt gtgtgttgtg 120
tgctcgtgtg tgtgtgtgtt tcgcgtgtgt gtgtgtgtgt tgcatgtgtg tgctgtgtct 180
ttgtgtgtgt gctgtgtgct agtgtgtgtt gtgtgcatgt gtgtgcgtgt gctgtgcgtt 240
tgtgtgtgtt gtgtcgtgtt gtgtgtgtgt tgtgcgtgtg tgctgtgcgt ttgtgtgtgc 300
tgtgcgtttg cgtgtgtgtt gtgtgtgcat gtgtgtgcgt gtgtgtgccg tgcgttttgt 360
tgctgtgtgt gcatgtgtgt gcgtgtgtgt gctgtgcgtt tgtgtgtgtg ctgtgtgtct 420
atctgtgtgc tgtgtgtgtt gtgcgtttgt gtgtgtag 458

```

```

<210> 1236
<211> 347
<212> DNA
<213> Homo sapiens

```

```

<400> 1236
aaaagctgtt gaatgccctc cacctcggac cacagccagg ctcccttgaca agcttggttg 60
ggagtccctg gaagtgactt gcatcaatcc tacattcatc tgtgatcacc cacagataat 120
gagccctttg gctaaatggc accgctctaa agaggggtctg actgagcgtt ttgagctgtt 180
tgtcatgaag aaagagatat gcaatgcgta tactgagctg aatgatccca tgcggcagcg 240
gcagcttttt gaagaacagg ccaaggccaa ggctgcaggt gatgatgagg ccatgttcat 300
agatgaaaac ttctgtactg ccctggaata tgggctgccc cccacag 347

```

```

<210> 1237
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<400> 1237
ctgagggtga gactcgcaag gtggtgctga tgcagtgcaa cattgagtcg gtggaggagg 60
gagtcaaaca ccacctgaca ctctgtctga agttggagga caaactgaac cggcacctga 120

```

```
<210> 1238
<211> 455
<212> DNA
<213> Homo sapiens
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```
<210> 1239
<211> 505
<212> DNA
<213> Homo sapiens
```

```
<210> 1240
<211> 528
<212> DNA
<213> Homo sapiens
```

```
<210> 1241
<211> 460
<212> DNA
<213> Homo sapiens
```

<400> 1241

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ctgctcccag gatggtcgtg tgttcatttg gacctgtggt gatgcctcaa gcaatacgtg 60
gtcccctaaa ttgttgacaca agttcaacga tgtggtgtgg catgtgagct ggtccatcac 120
agccaacatc ctggctgtct ctgggtggaga caataagggtg accctgtgga aggagtcagt 180
tgatgggcag tgggtgtgca tcagtgatgt caacaagggc cagggctccg tatcagcatc 240
agtgcagagag ggccagcaga acgagcagtg acaagacagg tggggcctgg ctccccaccc 300
gccagctcca ggactgcccc ttcttggggc aactaaccag acaactggga agagccccc 360
actccaacag gattatittt ccaggaggag ttacagatgc agccacagat tgatcatctg 420
ccttaacgtg atcggagatg ctttgtaatc tactgtccag 460

```

<210> 1242

<211> 176

<212> DNA

<213> Homo sapiens

<400> 1242

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ctgcaccagc tcagccgcca actcggggat attctcattt ggcatcaggt cacagctcag 60
gtgccgggttc agtttgtcct ccaacttcag cagaagtgtc aggtgggtgt tgactccctc 120
ctccaccgac tcaatgttgc actgcatcag caccaccttg cgagtctcca cctcag 176

```

<210> 1243

<211> 380

<212> DNA

<213> Homo sapiens

<400> 1243

```

cctgcggcac cccccatag agctgggtgag gaagtaactt ctgcttctca ttgcaactgt 60
agatccatcg gggacgaacg aatgccaggg aggggttgct catcagggcc tcctcaaagc 120
tgggatccca ttcccgtgct gtgatcaca actgaacccg gtcactcata tagtcctcga 180
gtccccatt gaaggctgtg gcgtatcgga tgagtttccg ccgctcgtcc ccagggaact 240
ccccgtaaag aaagaagtgc ttgccctgga agaaatctgg gagctcaggg actggcagat 300
caggaggctc ctggtgttcc tcaactgtccg tgttctcatc cgtggagcct gcatacgggt 360
cttccccatt ctctctctgg 380

```

<210> 1244

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 502

<223> n = A,T,C or G

<400> 1244

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aaaaaataat tgagagttgt gacaacttcg attcttttca ggaggtgctg tcttaagata 60
gaagaaaggg atcaagctct tatcttagaa agcacagaca cgtttagctc agggtagtgc 120
aattcaatgc taagtggctg ctccatgaaa tctaaggggc gggtaagggg aagaggcca 180
gggacttctt ccttgtctga cactctcggt actagcattc tggcaggctc tacaagtatt 240
aatacaaaac catcagataa attctaatac cgactgtgta gttcctcccc aaaataattt 300
tcctcttaga agtaaaatca ggaaaggggc tgagttctga aaagaaacat cggggctgtg 360
gccaggccc tctgagtgtg gacgtgtgcc cccgtgtctc catgtttact gccttatcgt 420
ctcctttgta tgaaagtata atttacgtaa ttcgctcctg gagaatcaca gtggtgttca 480
agaacctttt gaggccatcc angtttttgt ccttcagtac cttgaaatca ga 532

```

<210> 1245
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 1245
 aaagcctgac agaacagaag gcagtttata tcagcagtga agggatggca gtaatgggat 60
 ggcagtcagg gtggaccagc agaatgggtg aagagatgta ttggattggc tgacttgcta 120
 atcggagcta ttcttttttt tccccctttt aaatcagggt gagatgttac agccaaaaat 180
 atctggttgg cagaaagtgt tctggatata ctgacagagc aaagggagtg ggtcctgaag 240
 agcggcatcc tcattgccat ggctgtttac acgtacctcc gcctcatcgt ggaccaccat 300
 gggactgccc agctccaggc cctgcgacag aaggaagtag acttctgcat ctactgctt 360
 cgggaaacgg tcatggaatg tctgatgatt ggtcgggatc tcgtaagact acttcagaat 420
 gttgctagga taccagaatt tgaactgctt tggaaagata ttatccataa tcctcagg 478

<210> 1246
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 1246
 ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagt 60
 cattttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
 cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
 aatgcaaggc cacacaagggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
 gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tgggtggcatt 300
 aaagaagaca ctgaagaaca tcacctaaaga gattattttg aacagtatgg aaaaattgaa 360
 gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
 tttgacgacc atgactccgt ggataagatt gtcattcaga aataccatac tgtgaatgg 479

<210> 1247
 <211> 540
 <212> DNA
 <213> Homo sapiens

<400> 1247
 aagcagcgag tcttgaagct ctgtttggtg ctttggatcc atttccgtcg gtccttacag 60
 ccgctcgtca gactccagca gccaagatgg tgaagcagat cgagagcaag actgcttttc 120
 aggaagcctt ggacgctgca ggtgataaac ttgtagtagt tgacttctca gccacgtggt 180
 gtgggccttg caaaatgata aagcctttct ttcattccct ctctgaaaag tattccaacg 240
 tgatattcct tgaagtagat gtggatgact gtcaggatgt tgcttcagag tgtgaagtca 300
 aatgcatgcc aacattccag ttttttaaga agggacaaaa ggtgggtgaa ttttctggag 360
 ccaataagga aaagcttgaa gccaccatta atgaattagt ctaatcatgt tttctgaaaa 420
 cataaccagc cattggctat ttaaaacttg taattttttt aatttacaaa aatataaaat 480
 atgaagacat aaaccagtt gccatctgcg tgacaataaa acattaatgc taacactttt 540

<210> 1248
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>

09520300-073104

<221> misc_feature
 <222> 44, 95, 113, 138, 148, 151, 163, 197, 209, 239, 294, 313,
 388, 418, 425, 472
 <223> n = A,T,C or G

<400> 1248
 gtacaagctt tttttttttt tttttttttt tttttttgct ttgnatagtt tattatacaa 60
 atgattgata gtaaaatagt gaatttttaa gcttnttcct aacctttcat tngaatgaa 120
 cagtgatgca gggagaana gacattcanaa naaaaatcat gtntgtatta ttaaactaga 180
 agtgataaaa tgttcanaat gacaatgtnt ttaaaaaata ataaccttgt tggaattgna 240
 catctatcat tatcacaaca tgcttatttg atgaagctaa agaaaagcca gaanactaat 300
 atggctggat ganaatagca ttttaaaaaca ttttcagcaa aattctaaaa atttgctgtt 360
 tagttccaaa actgaatttc atacaagngc tattattcca atagtttttt tcaattgnca 420
 ctagnatctt tgatccatat actgcaatca taatatccaa aataaaagag tntttcatta 480
 ataaca 486

<210> 1249
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 1249
 cctagctcca accaagagtg tgctccagat gtgtttgggc cctacctggc acagagtcct 60
 gctcctggga aaggaaagga ccacagcaaa caccattcct tttgccgtac ttcctagaag 120
 cactggaaga ggactggtga tgggtggaggg tgagaggggt ccgtttcctg ctccagctcc 180
 agaccttgct tgcagaaaac atctgcagtg cagcaaatcc atgtccagcc aggcaaccag 240

<210> 1250
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 1250
 ccagtgaaga ggattcagag aaaataatac aaccatcaat cagaaaaagg aggggcgaca 60
 aaggaaaata attaggctgt agcctcaatt gtgcattccc gtgcaagggt ccctgactcg 120
 ccacagcggg aacagttgac ttcacttgct ttgctgcagt tgatggctac atgaccagtt 180
 tcaccacacc tatagcactt cactttgggt cagtcttttt gaatgtgtcc gaattctcca 240
 caagaatagc atttctgctc atctgcatgg tcgcagtcac gagccagatg gcctgggtttg 300
 ccacagttgt agcagcattg ctctcgctct ctcttgggct ccttgcagtc cttggcaatg 360
 tgg 363

<210> 1251
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 1251
 ctgcagtcgc ctagaaaact tgctcttaaa cttcagggtt ttttcttcct tcaaattttg 60
 gaccaaagtc tcatctctgt gttttgcctg cctctgatgc tgggaccggg aaggcggggc 120
 ctctgtcttt tgtgtctttt ctaccgcccc cgcgtcctgt cccggggggt ctctaggat 180
 ccccttttcg taaaagcgtg taacaagggt gtaaatattt ataattttt atacctgttg 240
 tgagaccgga ggggcggcgg cgcgggtttt tatggtgaca caaatgtata ttttgctaac 300
 agcaattcca ggctcagtat tgtgaccgcg gagccacagg ggacccacg cacattccgt 360

05920300.033101

tgccttaccc gatggcttgt gacgcggaga gaaccgatta aaaccgtttg agaaactcct 420
cccttgctta gccctgtgtt cgctgtggac gctgtagagg caggttgg 468

<210> 1252
<211> 324
<212> DNA
<213> Homo sapiens

<400> 1252
ccaggtcgtt ctcaaactcc tgacctcaag tgatccaccc acctcggcct cccaaagtgc 60
tgggattaca ggcgtgagcc actgcgcctg gctgagtaca atattaatgt agacaaacca 120
tgaagtttat tatttcatat aagaacatta caggtttgtt ttttcttgca tgtctgtcca 180
cctaattgtt aagtagttct ggtagctctt cctattcttt attctatttg attccatttc 240
tgtgattctt ttattaccac tgatgttttg tgatagttaa ctatgataaa ttttaactgat 300
catgatttat cttctagagt attt 324

<210> 1253
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 57, 64, 115, 163, 170, 221, 241, 255, 294, 317, 319, 327,
333, 335, 353
<223> n = A,T,C or G

<400> 1253
caagcttttt tttttttttt tttttttttt ttttttacia ataaatgggg ttattanacc 60
caanagcagg gtcagaagga gaaacagcaa aaacggggag taagtgtcca ggctnctgcc 120
ccaaacccct tgaggaaaag agaaacaggt gttgggcagg aanaacagcn ccaacaggga 180
ggagagggag gggattgggt cccggctcta ccacggacca ntcactttcc ccaggactca 240
nttttgtcac ctgtntaatg ggggaagcac aatccttgcc tgactccttc caanagcctc 300
aattaggctt cgggtganana gtgggtntgg aananctttg caaactgtaa agngcagtag 360
acacatgcag gctagctgtg gccctggggc ccaggcccaa 400

<210> 1254
<211> 530
<212> DNA
<213> Homo sapiens

<400> 1254
ctgtaatcct caggatcact ttgcagctct caagattcag atacagagga agcttcaatt 60
caacctttca gagaagacat tccagctcgc atgatctcat caaccaagag aatgttggtg 120
gcaatcacag tgcaggagtg aagaagctgt ttctttacac aatagttatc ccatacgcct 180
acttctgctg ccaccattgg ctcacctgtg ttcacgtcca caccacaag ctgacctgat 240
tctgaatggt ctgcttgaat tttactaat gtttccctgaa ggtcaaaacc agagtctga 300
gcaagaacct tgggaataat gagcaatgca tcagcaaatg cttggactcc aagctgtgcc 360
ctgcccttta cactgggctt atgttttaac agggcttctg ccattgccac ttccacggca 420
ccagcacctg gaaccacaca gccatcatca atagcatttt tgacagccct caagccgtcc 480
ctcactgcat ctttgatctg agtgagtgtg tgcttatttg gtcctttgat 530

<210> 1255
<211> 314

<213> Homo sapiens

aaaaagttaa	ctgtggcacc	aattctaattg	taatccaact	tgtgactgtt	tttttttggt	60
ttgttttggt	tttgtgtgtg	tgtgtgtgtg	gcactgggaa	aagtggaaac	aaacatgtat	120
tgaatacat	attggaaata	aaaatggtt	gagcgtcagt	gatattctcc	cagaatgtac	180
ttatcttacc	tcggcattga	ctgtagtcac	tcagtatttg	tatatgttgc	tagaatttag	240
attgcaaaa	agtgaattt	taatgtgttc	atttgttttt	aatgtatata	tgtcttgctc	300
agattatttg	gttt					314

<213> Homo sapiens

ctgagcgggg	acaacaaaga	gttcttctct	gggaaaagtt	ttgtctcaga	gcaaggatgg	60
aaaatgggga	caacaaagga	aaagcaaagt	gtgacccttg	ggtttgga	gccagaggc	120
ccagctcccc	agtataagcc	atacaggcca	gggaccaca	ggagagtgg	ttagagcaca	180
agtctggcct	cactgagtgg	acaagagctg	atgggcctca	tcagggtgac	attcacccca	240
gggcagcctg	accactcttg	gccctcagg	cattatccca	tttggaaagt	gaatgtggtg	300
gcaaagtggg	cagaggacc	cacctgggaa	cctttttccc	tcagttagt	gggagactag	360
caacctaggt	cccacatggg	tatttatatc	tgaaccagac	agacgcttga	atcaggcact	420
atgttaagaa	atatatttat	ttgctaatat	atttatccac	aaaaaaaaaa	aaaaaccatg	480
gctaggttta	tagatagttg	ggtggttggt	gt			512

<213> Homo sapiens

ctggccctcc agggccccgc ccccatcccg tccacgttgc tgtgtcgtga 50

<213> Homo sapiens

<223> n = A, T, C or G

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attgtagggc tgcaccacgg tgtcagacac tttgggtgaa ggcaccacac tgaaggtatt 60
catgatgcga tcagggtatt cttctcggat cctgctgata aggagagtgc ccattccaga 120
ncctgtgccc cgcccagtga gtgggtcag                                     149
```

<213> Homo sapiens

ctgctcaggg qqctgagga qqagaatcgc ttgaacccgg gaggtggaga ttgcagtga 60

cccagatcgc accactgcac tccagtctgg caacagagca agactccatc tcaaaaagaa 120
aagaaaagaa gactctgacc tgtactcttg aatacaagtt tctgatacca ctgcaactgtc 180
tgagaatttc caaaacttta atgaactaac tgacagcttc atgaaactgt ccaccaagat 240
caagcagaga aaataattaa ttcatggga ctaaataaac taatgaggat aatattttca 300
taatttttta ttgaaattt tgctgattct tt 332

<210> 1263
<211> 198
<212> DNA
<213> Homo sapiens

<400> 1263
cctgacagac agaagggctt ggagattttt tttctttaca attcagtctt cagcaacttg 60
agagctttct tcatgttggtc aagcaacaga gctgtatctg cagggttcgta agcatagaga 120
cgatttgaat atcttccagt gatatacggct ctaactgtca gagatgggtc aacaaacata 180
atcctgggga catactgg 198

<210> 1264
<211> 531
<212> DNA
<213> Homo sapiens

<400> 1264
ctgtagcacc accatcctac tcatcttcca catccccaat catgcctcat cattgttaaa 60
aggactcaga aatcacaagt gagaaaaatg aaacaaaagc agccatccca tagcttcagg 120
gtgagccttc acaggaccag atggataaag cagcagcact agtggagggtc tgcaccttcc 180
tgctttttta cctatttagc ttctaaaatt tttcaacact gattttaagc aaggtctcgc 240
tctgttgccc aggetggagt acagttgctc actgcaacct ccgcctccca ggctcaagcc 300
atcctcccat ctacgcctcc caagtagctg gcaactacag tgcgccacca caccagcta 360
atttttgtat tttttgtaga gacgggggtt cgccatgttg ccagggctga tgggtctcaa 420
actcctgagc tcaagcgatt ctccgcctc ggccctccaa agtgcctggga ttacaggcgt 480
gagccaccgc gcccggcctg tacctttctt ctgaatcttc ttcttctttt t 531

<210> 1265
<211> 560
<212> DNA
<213> Homo sapiens

<400> 1265
aaaagactgg atggatataa aatagaatca actgtagtgt taggctgatc atgggaaatc 60
aaagtaagtt tgttttctct tgctgttcca acaattatag gaaactatgg tccaggaggc 120
agtggaggaa gtggggggtta tgggtggagg agccgatact gagcttcttc ctatttgcca 180
tgggtaagta gcttttgagt ttacaatta ttattatctt gggagacata gctgcaggag 240
taaaagcttt ttaggatcat gttatctttc cttaaaatct ggtagatgg ataatttcat 300
aacctatttt ttttttactc ttacttctg ttgaaacagg ctactgtga taaataggag 360
aggatgagag ccagaggga acagaacagc ttcagggtat cgaaataaca atgttaagga 420
aactcttate tcagtcatgc ataaatatgc agtgatatgg cagaagacac cagagcagat 480
gcagagagcc attttgtgaa tggattggat tatttaataa cattacctta ctgtggaggga 540
aggattgtaa aaaaaaatgc 560

<210> 1266
<211> 616
<212> DNA
<213> Homo sapiens

<400> 1266

```

ctgctggctg gctgggcccc cgtagctgga ctggtttgac aagcccatgc ctcccatcat 60
ttggctacca taagcaccac cgcttgctcc tgctgtagaa ttcaagaaga gttctacata 120
tctgtgttct gaaatgagag aaaaggcata caaaagggtta gcttaaaaaa aagacactaa 180
agtgatattt acacaaaccc atgcctccca gcatttggct accgtaagca ccaccgcttg 240
ctcctgctgt agaattcaag aagagttcta catatctgtg ttgcatattt gctttgtctt 300
ttgacatagc tgccacagca tcttcatgag ttgcgaactc gacatctgct tcaccagtta 360
ctctgccatc aggaccaatt tcaatgtgta ctctcacagg gttgagcggg gaaaaaaaaat 420
tataaatgtc attctcagta gctctgtaag gtaatccccg catgtgtaca cagtgtcctg 480
ttgtgctctg gaaagtagag ccaccatccc cgtatctgtg atcagacatt cctgaaaaac 540
agtaattgag gtctcttcca aatctatctg acccaaatcc atagccatca ttatagccat 600
tgtaatcatc atagcc                                     616

```

<210> 1267

<211> 352

<212> DNA

<213> Homo sapiens

<400> 1267

```

ccaaggccag tgcttatctc tcaaaacaac tagacggggt ttccaaaggc tggcccccat 60
ggctaagggc cctggcagca actgccctgt tagcacaaga agcagatgag ctaactctta 120
ggcaaaacct aaacagaaag tctccccatg ctgtggtgac tttagtaa at accaaaggac 180
atcattagct aataaatgct agactaacta gataccaaac ctgctctgt gaaaatcccc 240
gcataaccat tgaagtttcc aacaccctaa cccagccacc ttactcctgg taacagagag 300
cccagttaaa cataactggt tagagggtgct ggactcagtt tattctagta gg 352

```

<210> 1268

<211> 73

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 53

<223> n = A,T,C or G

<400> 1268

```

gtgtgtgtgt gtgtgtctgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgc gtntgtgtgc 60
tgtgtgctcg tgt                                     73

```

<210> 1269

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 500

<223> n = A,T,C or G

<400> 1269

```

aaattttaga aaacctgtat aaattactgg tgcataactt aaagattatt ctgcctttgg 60
ctaattgagt aattcccctc cagcactaga gaccgctcag tgctcttact agatgaactc 120

```

05920300-03104

```

agtaacgcct tgagctgggt tgattgagga tgtgtgaaaa gctcacagag cccgatgcct 180
gctgctatTTT caccgcaatg agcctTTTTTc tttctacact gaagattttc ttcttattta 240
atgtggTTTta ttttgggctc agaaataatt gctctgttga aaataatcct ttgtcagaaa 300
agaaggtagc taccacatca ttttgaaagg accatgagca actataagca aagccataag 360
aagtggTTTtg atcgatatat taggggtagc tcttgatttt gttaacatta agataagggtg 420
actTTTTTccc cctgctTTTta ggattaaaat caaagatact tctatatTTTt tatcactata 480
gatcatagtt attatacaan tgtagtgagt cctgcat 517

```

<210> 1270

<211> 144

<212> DNA

<213> Homo sapiens

<400> 1270

```

ctgggcccga ccttggggct ctatgggaag gaccagcagg aggcagccct ggtggacatg 60
gtgaatgacg gcgtgggagga cctccgctgc aaatacatct cctcatcta caccaactat 120
gaggcgggga aggatgacta tgtg 144

```

<210> 1271

<211> 226

<212> DNA

<213> Homo sapiens

<400> 1271

```

ccattggcat cacagccaac tttgtgaatg gacgcaccgt ggaggagacg caggtgccgg 60
agatcagtggt tgtagccagg atctacaacc agagcttctt ccagagcctt ctcaaagcca 120
cagcagcaaa ggagaaggaa cctgtcccct cagggattaa gcaagcacag ccctagttga 180
tcaccagca tgaaaagtcc tggaatctct cagagatgaa cctgtg 226

```

<210> 1272

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 567, 570

<223> n = A,T,C or G

<400> 1272

```

ctgggcatcg ttgttggaat tctgggtggcc cagatctttg gtctggaatt catccttggg 60
tctgaagagc tatggccgct gctactgggt tttaccatcc ttccctgctat cctacaaagt 120
gcagcccttc cattttgccc tgaaagtccc agatttttgc tcattaacag aaaagaagag 180
gagaatgcta agcagatcct ccagcggttg tggggcacc accatgtatc ccaagacatc 240
caggagatga aagatgagag tgcaaggatg tcacaagaaa agcaagtcac cgtgctggag 300
ctcttttagag tgtccagcta ccgacagccc atcatcattt ccattgtgct ccagctctct 360
cagcagctct ctgggatcaa tgctgtgttc tattactcaa caggaatctt caaggatgca 420
ggtgttcaag agcccatcta tgccaccatc ggcgcgggtg tggttaatac tatcttact 480
gtagttttctc tattttctggg ggaaagggca ggaagaagga ctctgcatat gataggccag 540
aatgtgcttg ccatagggtg acttacnaan agttgcgatg tggggccgga tcttatgcat 600
ga 602

```

<210> 1273

<211> 539

"033101"0920300

<212> DNA
<213> Homo sapiens

<400> 1273

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tgaagaggag caaactggca ctaagcaagg ccatcgagag cggggacact gacctggtgt 120
tcacggtggt gctgcacctg aagaacgagc tgaaccgagg agatTTTTTc atgacccttc 180
ggaatcagcc catggccctc agcttgtacc gacagttctg taagcatcag gagctagaga 240
cgctgaagga cttttacaat caggatgaca atcaccagga attgggcagc ttccacatcc 300
gagccagcta tgctgcagaa gagcgtattg aggggcgagt agcagctctg cagacagccg 360
ccgatgcctt ctacaaggcc aagaatgagt ttgcagccaa ggctacagag gatcaaatgc 420
ggctcctacg gctgcagcgg cgcctagaag acgagctggg gggccagttc ctagacctgt 480
ctctacatga cacagttacc accctcattc ttggcgggtca caacaagcgt gcagagcag 539
```

<210> 1274

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1274

```
cctatctggt tggcctTTTT gaagacacca acctgtgtgc tatccatgcc aaacgtgtaa 60
caattatgcc aaaagacatc cagctagcac gccgcatacg tggagaacgt gcttaagaat 120
ccactatgat gggaaacatt tcattctcaa aaaaaaaaaa aatttctctt cttcctgtta 180
ttggtagttc tgaacgtag atatTTTTTt tccatggggg caaaaggtag ctaagtatat 240
gattgcgagt ggaaaaatag gggacagaaa tcagggtattg gcagtttttc cattttcatt 300
tgtgtgtgaa tttttaatat aaatgcggag acgtaaagca ttaatgcaag ttaaaatgtt 360
tcagtgaaca agtttcagcg gttcaacttt ataataatta taaataaacc tgttaaattt 420
ttctggacaa tgccagcatt tggattTTTT t 451
```

<210> 1275

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1275

```
aaaaaactgg tttgtcaaat cacatacatg agcagataca caactaccaa agtggcctgt 60
aatagacacc agtggggcgg tcaccacaca gtacctgaaa aatacagcta aaaaaggagg 120
agtctgttga gtatttaatt tcagatctac ttgactcctt gttgaatggc ttttaagttag 180
catatagtga gtgagaggta gagtcccaag tataatagct gatgcctcag ggctccattt 240
```

<210> 1276

<211> 397

<212> DNA

<213> Homo sapiens

<400> 1276

```
cctgatgcct cgatacagct agatgtacaa aaatatatca ttcaaagtca tgaaaaccat 60
catcatattg gtgtgacctc cttcctcccc ttgggcacag cttttgcaac tacctccttt 120
gaaatctggg agttggtggg gcaagggtca cttcttggca gcttcttctt gggcagccaa 180
atctgcctcc ttctgagcag ccaggaagat ggctcgttcc ttctggaaag ctgcaagctc 240
ttctgaactg aggtccttca ccacgcgaat gccagagaaa cgggcagacc cgatgatgga 300
gcggaacaac gacgacaggg gtacatcctg cagggcaaat gcctcatcct gagctttgat 360
gcgggcaatc tcatacacat gcttcaaggt caccagg 397
```

0920300 033404

<210> 1277
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 1277
 cctgaatatt ttgcttaaca gactgttggg gattttcatta tatgcagagc agcctgcaaa 60
 aggagaggtg tgaagcgaag atgtccgaaa actggctgtt gttcatgaat ctgaaggatt 120
 gttgggggtac atttactgtg atttttttca gcgagcagac aaaccacatc aggattgcca 180
 tttcactatc cgtggaggca gactaaagga agatggagac tatcaactcc cagttgtagt 240
 tcttatgctg aatcttcccc gttcctcaag gagttctcca actttgctaa ctcttgcat 300
 gatggaaaat cttttccatg aaatgggaca tgccatgcat tcaatgctag gacgtactcg 360
 ttaccaacac g 371

<210> 1278
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 1278
 ccagaatggt ctggatctcc tgacctcgtg atctgcccgc ctgggcctcc caaagtgctg 60
 ggattaccgg tgtgagccac cgca 84

<210> 1279
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 1279
 ctgaaggagc cggggagcag aaagtatatg tgtcagggtat gaggaagaaa atagattttg 60
 gaagttatga gaaatgtaga gagtgagttg agcatagttt gtgattttta gggcctctaa 120
 cagtacaaa gcagcggcag ccgctgcacg cagacatgag ggctaggcta aaacagtaag 180
 gtcaagttgt ttggacagaa aggtacagg gtgcggtcct ggctcttggt taagaatttt 240
 gaccgcacta accatgccta ggaaggaaag gagttgttgt tttgtagaag gtgctgggg 300
 ttgagagatc agttggccac gattggcagg gagagcacgt gtgtttttat gagaattatg 360
 ccaagatagg taacagatg 379

<210> 1280
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28, 52, 197, 239, 328, 416
 <223> n = A,T,C or G

<400> 1280
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 gtgggctctg ggaacagggt tagtccattc gggccttcag tgtcctgggt gtgattttgt 120
 ccttctcgat gatgtggaca atgactccca tgcctgacac tgcattcccg tccacagcat 180
 tcagcatggc ttggganatg gtttcaaaaa ggtgatccgg atccatgttg ggctccana 240
 gggactcaca cattccgtac atttgttcgg cgcagggtgcc actgaccaca aagtcacag 300

09920300 073404

tcaccatggg gcagccgatg aggtctanag agcaaatgaa gggcttaaag gtcttcgggt 360
 ccaaccggc aatgactggc tcagtgtagt aagggccaaa ccgtttctca tacaanaggt 420
 tgg 423

<210> 1281
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 1281
 ctgaaatttg tccttacagt cgagtccact gtagccaaat gcacactttt ggcagttccc 60
 attagcatct tcctggttagc cgggcacgca cgcacactca ggggccccac cactcttctt 120
 tattaagcat tgcttgtgct gtgcgttgca ggcacagga ca 162

<210> 1282
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 1282
 aaaacagaag cttatatata acttagaatc taaaaccaat agatttatgg taaaccttaa 60
 gactgaacca aaacaaacaa aaaccaaagt tttaatcatt taaaaatcat gtttattgag 120
 gtacaactta tagtaaaacc tgcccttttc agcgtatagc actgagtctt gacaaatgca 180
 cagttatgta ccaccaccga ccaagg 206

<210> 1283
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 1283
 ctgcggttaa tccagcttgg gcctgtctgc actgcgatcc tcttgggctc tcctaggatc 60
 ccccatgcc ccgtaagagg tggaagacgc ttccttccag gacagcaggc tttgagtcca 120
 gcaccccgag ctgcc 135

<210> 1284
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 1284
 aaaggatcac atgcgtgaag caggtgatgt atgttatgct gatgtttacc gagatggcac 60
 tgggtgtcgtg gagtttgtac ggaaagaaga tatgacctat gcagttcgaa aactggataa 120
 cactaagttt agatctaatt agggagaaac tgcctacatc cgggttaaag ttgatgggcc 180
 cagaagtcca agttatggaa gatctcgatc tcgaagccgt agtcgtagca gaagccgtag 240
 cagaagcaac agcaggagtc gcagttactc cccaaggaga agcagaggat caccacgcta 300
 ttctccccgt catagcagat ctgcctctcg tacataagat gattggtgac actttttgta 360
 gaacccatgt tgtatacagt ttctctttat tcagtacaat cttttcattt ttttaattcaa 420
 actgttttgt tc 432

<210> 1285
 <211> 153
 <212> DNA
 <213> Homo sapiens

05920300 "03404

<400> 1285

ctggtccttg cctgggagaa ctttgtggaa ggaaaaggta agattcctta agtccaagga 60
 gagaaccaat ccagggtcaa atttcttttc attccctgga tcacaacaca ccagggaaga 120
 gaggagtcaa gaatgtctct cctgcccagt gct 153

<210> 1286

<211> 188

<212> DNA

<213> Homo sapiens

<400> 1286

cctgggcccc ggtcacgtcg ccaaccatct tcctgtccct agacttcacg gagtaggcga 60
 atgctatgaa gccagacag caccagttca agaagagggt gttgaacagg gaccagacga 120
 catggtcggg cacggagggtc tcgctgtgga tgttgatcac ggtggacctt ggaaggatgg 180
 tgctgggg 188

<210> 1287

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1287

aaaacaagca aattttatta aaggaaaatt ttgcaggttt aaggtttgca ggtgaaattt 60
 ttagagtgaa aaggtttact ttccaccagt ctgttctggc atgcttctaa tgatgtcaga 120
 gtcacctgga tcaatgatag ccagtgtgca cactctgtag tattttccgc atgctgtgcc 180
 cagttcaata ttattgccac ttagttagtg gacaccagtt ttagccaaca tagcatagta 240
 ctctatttca gatttcttca aagctgggca gttgttagcg agaataacca atttcgcttt 300
 gccttgtctg atcatcttca gagtctgctt gtaccccagg acgtacttcc cacttttcat 360
 aacgagttgg agcctagagt tgatcgactc cagcgacttt ttcgtcttct ttgcggccac 420
 catcttctcg ccttagga 438

<210> 1288

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1288

ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
 cgagctgcca gcagaagctt ctcccagggt ctcttgagat ttatgatata gatgccatca 120
 cttttccttt tatagatgta ctgttccatc tggaagtcaa gattgggtgcc acctaaagtgg 180
 gttcctgctg caaggaactt aaggacatcc tcctccttca tttgcaggac atcaagggt 240
 ccgacattg tgaaaatttc cctttaagtt acgacgggaa tccagaacaa cgccgtatgg 300
 acccctctgc ag 312

<210> 1289

<211> 232

<212> DNA

<213> Homo sapiens

<400> 1289

ccacaaaaca ccaaagaatt gtaggcagtg gccctattg agaagttttc cggtagagtt 60
 ggaaatcagt tgtgaataca ttctttgcta gttggagtgc ttgtttacta agcatgtgcc 120
 gtcgtaggta ttagtgctag tctcaaatag gtgcttcccc tgagggtgcag gggaagacca 180

09920300.073404

aagtttgcaa ctcgaaactgc tttcgtccat gtttctcaca ttgctgtatt tt 232

<210> 1290
<211> 93
<212> DNA
<213> Homo sapiens

<400> 1290
ctggcagggc atcatgtcag gccaccaa at ccatccagaa ctaacatgca gtctctaatt 60
tggagactct ttattgtgac caaaagattt gga 93

<210> 1291
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 472
<223> n = A,T,C or G

<400> 1291
cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
tggggcagcg aaaatttttg gggggtggta tggagagata atgggcatg tttctcaggg 120
ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
ggaggtcttg tggtaagggg tgatatcatg gggatgtag aagaaacatt tgctgtatag 240
aatgatttgt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggagataac 300
aagggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
aggacatctg attagagagt gcctaaggag attcagcata gtctgccag caaagattat 420
ttacttcaag agttaagagt ggcagtttgg ggatagcacc aggagatatc an 472

<210> 1292
<211> 69
<212> DNA
<213> Homo sapiens

<400> 1292
ccagacctga ggccccacaga cctgggtcccc acaaccagga ttctacaat gtacacattc 60
ctaattcag 69

<210> 1293
<211> 332
<212> DNA
<213> Homo sapiens

<400> 1293
gggaaactcc gaggacagag ggctaaatcc atgaagtttg tggatggcct gatgatccac 60
agcggagacc ctgttaacta ctacgttgac actgctgtgc gccacgtgtt gctcagacag 120
gggtgtgctgg gcatcaagggt gaagatcatg ctgccctggg acccaactgg taagattggc 180
cctaagaagc ccctgcctga ccacgtgagc attgtggaac ccaaagatga gatactgccc 240
accacccccca tctcagaaca gaagggtggg aagccagagc cgctgccat gccccagcca 300
gtccccacag cataacaggg tctccttggc ag 332

<210> 1294

05920300 "073104

<211> 207
 <212> DNA
 <213> Homo sapiens

<400> 1294
 cagattgtgt acatagagca atgttgggtt tttataaagt ctaagcaaga tgttttgtat 60
 aaaatctgaa ttttgcaatg tatttagcta cagcttgttt aacggcagtg tcattcccct 120
 ttgcactgta atgaggaaaa aatgggtataa aagggttgcca aattgctgca tatttgtgcc 180
 gtaattatgt accatgaata tttattt 207

<210> 1295
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 1295
 ccaccacttg taccgatat ggacttccgg cttctctgtc caatggagcc aactaaaga 60
 tctcaccagt cagtggtca attttaagcc aacctctgt gtctcccctc agtgaatagc 120
 ttatgtccag accttctgga tccttggcag tcacattgcc cactttagt cctatagcta 180
 catcctcact gactttcgt tgggaatacgt gttgggaaaa ttgaggtgct tcattcacat 240
 ctgtcacaat aagcgtgaac ttggcaaaaag aacttgcatt gtacttcaca ccaaacacta 300
 gaggtcagg attttctgct ttgaacacaa tgttggaac ag 342

<210> 1296
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 1296
 ccaatgtggt tggctctcag cttgcagtta gccaggttcc ataccttgac cagcttgtcc 60
 cagccacagg agacgatgat agg 83

<210> 1297
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 1297
 gacaagcaca ccctgagcaa gaaggagctg aaggagctga tccagaagga gctcaccatt 60
 ggctcgaagc tgcaggatgc tgaaattgca aggctgatgg aagacttgga ccggaacaag 120
 gaccaggagg tgaacttcca ggagtat 147

<210> 1298
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 1298
 ctggtctaaa agagtatctg tgcattcctc acagagtggg tgatccacat ctgtctggcc 60
 cgacatgatg tcaaaaaggc cccagtgac ctggaagtgt gggagagtca gggtagggcc 120
 tccccatgc ttctgtctca attaccact ctcccagcca ggctactgc ttgccaccgg 180
 aatggggccg gcttgccctc agtcttcggc tgaggttctc catggtgccg ccatcagatg 240
 cctccccaat cagagtgaag ctgttggcac tttctgtgga catcatctg cagacagccc 300
 cccgcccacg ggccacatga gggaacagag aggcttcctc cacctactac aatgccagtg 360

09920300 073101

381

<211> 396

<212> DNA

<213> Homo sapiens

<400> 1299.

ctgctgacctg	tggcgtgtgt	gggctggatc	ccttgaaggc	tgagttttttg	agggcagaaa	60
gctagctatg	ggtagccagg	tgttacaaag	gtgctgctcc	ttctccaacc	cctacttggt	120
ttccctcacc	ccaagcctca	tgttcatacc	agccagtggg	ttcagcagaa	cgcattgacac	180
cttatcacct	ccctccttgg	gtgagctctg	aacaccagct	ttggcccttc	cacagtaagg	240
ctgctacatc	aggggcaacc	ctggctctat	catttttctt	ttttgccaaa	aggaccagta	300
gcataagtg	gcctgagca	ctaaaaggag	gggtccctga	agctttccca	ctatagtgtg	360
gagttctgtc	cctgggggtg	gtacagcagc	cttggt			396

<210> 1300

<211> 577

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 469, $\bar{4}$ 74, 475, 524

<223> n = A, T, C or G

<400> 1300

cctgtaatta	gattgttagc	tcttcgtggc	tcttcaatgt	cttttgaaca	tgtgggagat	60
acttaataaa	aagcatagct	ctaggacact	ataaaaattg	ctaattactc	cccttggaat	120
aaagacataa	gaacatttgc	ttaagattta	atatgttata	tataggcttg	ggcatacagc	180
agtgaggggt	ggggagattt	tgaaaagttc	tggtttgtca	tttatgtagc	tggtagtttt	240
gttttgaacc	tgttatgagc	aaccaccgga	ataatctgtt	ccccatagaa	actgaacctt	300
aacttcaaat	ttttattatc	taagctataa	taataggcgg	agtcgatctg	gaacatacag	360
ctcgagatca	agaagcaggt	ccgcagtc	cagtgaaagc	cctcgaagac	atcataatca	420
tggttctcct	caccttaagg	ccaagcatac	cagagatgat	ttaaaaagnt	caannagaca	480
tggtcataaa	aggaaaaaat	ctcgttctcg	atctcagagc	aagnctcggg	atcactcaga	540
tgcagccaag	aaacacaggc	atgaaagggg	acatcat			577

<210> 1301

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1301

cctcatagat	gccatcaagc	ctttcctcga	ctattatgac	ctgggtggatg	gggtctccta	60
ccagaaagcc	atgttcatat	ttctcagcaa	tgctggagca	gaaaggatca	cagatgtggc	120
tttggatttc	tggaggagtg	gaaagcagag	ggaagacatc	aagctcaaag	acattgaaca	180
cgcgttgtct	gtgtcggttt	tcaataacaa	gaacagtggc	ttctggcaca	gcagcttaat	240
tgaccggaac	ctcattgatt	attttgttcc	cttctctccc	ttggaataca	aacacctaaa	300
aatgtgtatc	cgagtggaaa	tgcagtcccg	aggctatgaa	attgatgaag	acattgtaag	360
cagagtggct	gaggagatga	catttttccc	caaagaggag	agagttttct	cagataaagg	420
ctgcaaaacg	gtgttcacca	agttagatta	ttactacgat	gattgacagt	catgattggc	480
agccggaatc	actgcctgga	gttgaaaaag	aaacaacact	cagtccttcc	aca	533

<210> 1302
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 1302
 aaatattaac gcacactttt tttttattat attaaaaatca ggcaatgggc tgacaataaa 60
 aaggctgctt atggaatact gttatgttaa acttcactta caggatgtta aatccttaga 120
 actaagggtt tccccccaga aaaagattaa tggaaacatc aattgctttt cagacttgat 180
 agttgctgct tcaaaagggtg gttttacaca aatactaaat taaaaaaaaa aa 232

<210> 1303
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 1303
 gttattttaag gaggaaaaaa tattaaattht tgaattgagt gtgtaggctc cctatcatta 60
 tatatagagt ttctttttcc acggtagtca gtgacttaac ctgaattgta aatgtttgta 120
 aagggttaat tgtcctacat caaacttagt taaataattc catccactta tggaggagga 180
 ggagaatgtg gaagaggtaa aaagctgggc acaagttcat atgcctatga gtcagtaaag 240
 actgaagtaa tgtcctatgt tgagctgggt attttgatat atgataataa ttatctttga 300
 agtagaacia ttctgttaac tggaaaatca caggatatat ccatcatatt ttccaggaca 360
 gatagttttt actgtggggc aaatagggtta aaattacact atgttagttg catttaggtt 420
 tt 422

<210> 1304
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 454
 <223> n = A,T,C or G

<400> 1304
 ccactggagt ttatttggtt gctgacggct tgactgaact ggacaagggt cccattaggc 60
 aactgcactg caccattcac ggtgctatct atgctgggtt cctctttcaa gtccacgctg 120
 ggaagcctct ctctctggag ctctctccaa atctccaagt ttgaatgaga ctgttctctc 180
 ctccaccaca gcctggaggg gcacagtggc aggccttacc tcagaaacag gatgcttggt 240
 ttcaatatca ccaacagaca actttgtttc ttcatgggtc tctttcaagc tattcttttt 300
 ttccattaag gggctttcag aaggactaca ctttatttct cgttcaattt ttctcttcat 360
 cctgggacat acaaagaacc agacgataag ggcacagaaa actgcacatc ccaccgagat 420
 gaggatggta cccacagag gaagtttgtc aaancccagc actaggagat aaaatggtgc 480
 atcttgaaaa cccca 495

<210> 1305
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 1305
 tggggctgct cttgatataca gtgtgaaggg gcctgccttt aatatggcat ctcttgagtc 60

05920300-073104

```

agattttggc atcaacttga agggcccaaa aatcaaagga ggtgcggatg tttcaggggg 120
tgtcagtgcc ccagacatca gccttgggtga agggcatttg agtggttaaag gttccggggg 180
tgagtgggaag ggaccccaag tctcctctgc tctcaacttg gacacatcta agtttgctgg 240
gggccttcat ttctcaggac caaagggtgga aggaggtgtg aaaggaggtc agattggact 300
ccaggctcct gggctgagtg tgtctggggc tcaagg 336

```

```

<210> 1306
<211> 101
<212> DNA
<213> Homo sapiens

```

```

<400> 1306
ctggtgcggc ccggtgtggc ccagcccag gacaccgtgc agttccggat ccccatggaa 60
atgacaaggg tggacctcag gaattacctc gagggcattct a 101

```

```

<210> 1307
<211> 369
<212> DNA
<213> Homo sapiens

```

```

<400> 1307
ctggagaccg acaggatttg ccatgcattt gcatcttgct agagtttggt ttttatgaaa 60
gggcctatct tttttaagtt ggcatatctt gaggtgaaac actcacccta ccaaatatac 120
ttaagttgca actctaaaag cataaggaca ttttcaaatt ttctcttctt caactgagaa 180
aatgaatgtg ccagggtgaca tattatatac ttgtacttgc atacacatag aaatatatca 240
ctgtgcaaat tcgtccttga ctttataact gaatttcacc tcaaattata cattaatttg 300
cagaacaaaa tattaggaat gggcacaaaat ctgtggttcc tgatttttgt cattttcaat 360
ttctgtagg 369

```

```

<210> 1308
<211> 145
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 120
<223> n = A,T,C or G

```

```

<400> 1308
cctttctcca ccaaggaaaa aacgagaaga ccccaaaacc aggagagact ctgtggactc 60
caagtcttct gcctcctcct ctccaaaaag accatcggtg gaaagatcaa acagcagcan 120
atcaaaagcg gagagcccca aaaca 145

```

```

<210> 1309
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 492
<223> n = A,T,C or G

```

09520300.03404

<400> 1309

```

ccacggggac tgttattcgc aagctgggtt tctagacctg ttagctggaa gcatggtgag 60
caccatttct ggacgctcag gccgtgtcgg gcttcagtc tctccaccac acagggtacag 120
cagcgctttc tggtagtcgc ccttagtgtc ttgctggata taatagtaca gggacttgcc 180
gtactttctc ttgaattcag acctaat ttt caacatgtcc acttcaactgc gggagaccat 240
gattctgac aggaccttat ctgcgcgcc cttgcccttc atggagtcac acagccgatc 300
agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaag cat tttccag 360
gtctccttta acctctttcc tgatgctttc caacatgtca taagggtgt aactcttgta 420
cctatcaaat actttctgga ggtggggcac gctccgctcg gtcacgatgc tgatccactt 480
gggaacatca gntcctttcc tcttcaactc agcg 514

```

<210> 1310

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1310

```

aaaattacat ttgtagaagt cacacaacag aaagatacca tgcggttgaa cagtgtgcct 60
gtacttgaac aagttagaga agatacatac tccaaaaagg agattcagtc tagtggtact 120
tcagttattc acatagtgtc tacagggcag aatctcttcc aaagcaattt ttctgttcac 180
taatctacag gcactaatg 199

```

<210> 1311

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 95

<223> n = A,T,C or G

<400> 1311

```

ccaccttctc actgtgttct cacagggtct ttcttctgtg cctgtccctc gcagcagttct 60
ctcccggtc tcttttgaag gagattggag tgcanaattg gctagtctga ggtttcagtg 120
tgcaagacgt agtcagatgg ctacacattg gaaccctggg agtaatgttt tattctttgt 180
ccgatggcat tgggcgggtt gaccagcct gcagtcagga ttctcttgta ccgttcaccc 240
gggagttcag aatcgcactc tggctgaaag ttcagcaaga gcaccattgt cagcctgact 300
gccctgt 307

```

<210> 1312

<211> 483

<212> DNA

<213> Homo sapiens

<400> 1312

```

aaagacatgc caatttgaaa aggcacataa gtaaaaaaat aaaagcaaat gctaaaaact 60
actttacaat aaaaaaatta aataatcggc aggttaaatg aatgtaaaat gaggaatgta 120
cagtgaaaaa caaactaata taaagcattc cagttgataa aaacctctc aggcattatgg 180
tctgttttcc aaggaaatta tgtttcaatg taaagtttga aatactccag acatacattc 240
catgtagggt ttgggtgcca atgttaaaat ttcaaatttt gcatgcaagg cttagcaaaag 300
aaacactggc agaattccag catttgcaaa attctaagtt ttgggtgaata ttgtaaatat 360
tacaattggg attagaaagc catgatgaat ccagaattaa gagaaaaccc atttcataaa 420
tattttgttt gattaaaaaa taccaggctt accatgttct aaataactca agaaaatatc 480

```

0920300 0002660
 T07E20 07310

483

<400> 1313						
aaaataggtt	gttggagcct	tcctcaaagg	gtatggtcac	ctgttgtaa	attatgttct	60
taactgtaac	cagttttttt	ttatttatct	ctttaatctt	tttttattat	taaaagcaag	120
tttctttgta	ttcctcacc	tagatttgta	taaatgcctt	tttgtccatc	ccttttttct	180
ttgttgtttt	tgttgaaaac	aaactggaaa	cttgtttctt	tttttgata	aatgagagat	240
tgcaaagtga	gtgtatcact	gagtcatttg	cagtgttttc	tgccacagac	ctttgggctg	300
ccttatattg	tgtgtgtgtg	ggtgtgtgtg	tgttttgaca	caaaaacaat	gcaagcatgt	360
gtcatccata	tttctctgca	tcttctcttg	gagtgagggg	ggctacctgg	aggggatcag	420
cccactgaca	gaccttaatc	ttaattactg	ctgtggctag	agagtttgag	g	471

```
<220>  
<221> misc_feature  
<222> 160  
<223> n = A,T,C or G
```

<400>	1314						
aaaaaaactt	ccatgcccctt	ccattcccct	ccctccaaac	taggtattgt	ccaagttgta	60	
tcaaatgcc	caaagtctac	catgcaccca	gaagcagaga	agacaggagg	tccagaggac	120	
aaggtatgct	ggggtcacta	ctcgcactgc	agagtcacn	cgagttgaact	catgctgggg	180	
gcaagaatg	gaaagagcta	atacacagac	aaagcaaaag	aacgaaatgc	gcagcct	237	

<400>	1315						
aaaaaaaaaa	aagtcaccag	caagtagtcc	cgggtgggag	gtgggagcag	aataaaaaaa	60	
aatctgcaat	gattccta	at	tggttttcaa	tacagaagct	tgggaagggg	tttctgccag	120
tttcatgagg	aaggcacaac	ttccaggtag	tggttggggaa	gggtatgagg	tcctatgcag	180	
gctggcctct	tatcccacag	atgccaagat	gatgtctact	ggcagctcct	ccaaacttct	240	
ggctgtgcac	tgcatgtca	ctgtgtccaa	aagcagcagc	cgggagcgca	ccaggatgtc	300	
atgaccacc	cq					312	

```
<220>
<221> misc_feature
<222> 26, 42, 73, 98, 110, 173, 186, 206, 214, 230, 243, 266, 276,
```

287, 317, 335, 337, 360, 418

<223> n = A,T,C or G

<400> 1316

```
gcaacctcca cctcccggt tcaagngatt ctctgtctc ancctcctga gtagctggga 60
tcacaggcgt gcnccacat acccggttaa ttttgtntt ttcagtaaan acgggggttc 120
accatgttgg tcaggctggt ctacattcc tgacctcatg atccaccac ctnagcctcc 180
caaagngctg ggattacagg catganccac cgcncctggc ctgtttacan actttacaaa 240
canattttgt ttacaagctt tacacncacg gttcanttgc agttagncta tattatgctg 300
ggcccaaaac aaatgtnttt tttttttttc ccagnngggc ccaaggaacc caaaatttan 360
acaaccctgc tctaaagggt ttgattcatg tttccactgg gttatgctta ttgcctgnaa 420
ttcca 425
```

<210> 1317

<211> 172

<212> DNA

<213> Homo sapiens

<400> 1317

```
aaaaagatct gcttttatac agaaattgaa ggatgccata ttatgagtgc ttttaagattt 60
tattctactg acttctaaaa ctgttaatat atcttttttt aaataaaaaa aaaagtttgc 120
tgtctttttt aaaaagcaat cctcaaactc tctagccaca gcagtaatta ag 172
```

<210> 1318

<211> 135

<212> DNA

<213> Homo sapiens

<400> 1318

```
cctagagagc tagagaagca agtaagggcc agggccagag tcggcttcaa tggaacaaca 60
gccagtgcc ctaaggcccc taactcttgc tggctgtttc ttgaccccaa gccagggttg 120
ggagtcctct gggca 135
```

<210> 1319

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1319

```
ctgcttcaag acctcagctt catgggactt gcgtctttct tctgcagctt ctaatttctt 60
ctgaatttcc tccagggaaa gatccttctt ctttgagggg gaaaggggga attctggaac 120
agattctttt gaccgagggc tgagaatcag ctcaaaagcc tggcctgagg cacgcttctc 180
cagttctttc acctggatat cagaagaagc catggtgaat agaagacaag cgacaggcag 240
tgtattctgc acaatcaact gggataagga aagtcctgct cagtccgagc cgcc 294
```

<210> 1320

<211> 125

<212> DNA

<213> Homo sapiens

<400> 1320

```
ctgcctaagt agaggacaaa gactttctcc tttcaaagga gaactgagtc caggattggg 60
aagtttaagg cacttaacct tgaccagctc tgtaggctct gagcattctg gtccctggcc 120
gcttt 125
```

0520300.03101

<210> 1321
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 1321
 ccttcctaaa aaatagtggg gagctggagg ctacttccgc cttcttagcg tctgggcaga 60
 gagctgatgg atatcccatt tgggtcccgac aagatgacat agatttgcaa aaagatgatg 120
 aggataccag agaggcattg gtcaaaaaat ttgggtgctca gaatgtagct cggaggattg 180
 aatttc 186

<210> 1322
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 1322
 cttgacgttg acaatcgagt agtactcccg attgaagccc ccattcgtat aataattaca 60
 tcacaagacg tcttgcactc atga 84

<210> 1323
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 1323
 tgcagcagac cgtaaccatt atagacgcta tccacgtcgt aggggtcctc cacgcaatta 60
 ccagcaaaat taccagaata gtgagagtgg ggaaaag 97

<210> 1324
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 1324
 aaaattacat cagcttttgtt atcctggtag tctcggagac caacccaaaat aatgtccgag 60
 gtattttatcc aaaccttttt tctcaatttt cctctgatgt gacataacct ctttacacca 120
 tcgaaacaca ttgcttctag cgtccattt cccaacattt tgattacctg agcatactcc 180
 tgaccatctt ctttgaatac cagtctcttt ttttcagatt cattctcatt cttacccttg 240
 cgtctgtttt tacctccttt acctttattc ttgggcatgg cgggtggcggc gacctcgcgg 300
 cgtctctgac ttctttccgg gtacggcgga ccgcggcggc tgctgctccg aggggcgaca 360
 cgagggagcg cgcggggaaca agtaggtgct ggaggccagg caacgtgcgc gggagaggct 420
 ggcgacccag ctcttca 437

<210> 1325
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 498
 <223> n = A,T,C or G

05920300.073101

<400> 1325

```

ccacttctgt aaaatccaaa ccactccgaa tctacagggt ccacaatgga atcattgagg 60
aatttcacca tcacaaactt cttcagggcc atcagggttt tcttgtagga ctcattgata 120
ccccgtcctt gatttatatc tgccaagaag atgctgtggt tgcgatacac atcctccttt 180
atgggggtcat gccagtattc ggcttgcacg aggcgttcct gaacaacttt ggagtacgcc 240
ccagcattca gtgtttttcg gatgaagtca cagatgtgag agctctctcc tgggcatcga 300
gggagtccaa aaacaccttg atgttgtccc ccaaccgaga tcagattgat catgggaggt 360
gaagggcatc tctgagccac tgccctcaga aattggcctc cctgggagaa tcccatagca 420
ttgtagcctt gctgcaattt aggatcctta gcaagtgcct gacacactgt tgttacttgg 480
gaattgacat tcaagaanaa gctgttctcc acgtcctcca tcagggt 527

```

<210> 1326

<211> 330

<212> DNA

<213> Homo sapiens

<400> 1326

```

ctgcagccgc agcctgtggc tgtgcagggc cccgagccgg cccgggtcga gaaaatattt 60
acaccagcag ctccagttca taccaataaa gaagatcctg ctacccaaac taatttggga 120
tttatccatg catttgtcgc tgccatatca gttattattg tatctgaatt gggtgataag 180
acatttttta tagcagccat catggcaatg cgctataacc gcctgaccgt gctggctggt 240
gcaatgcttg ccttgggact aatgacatgc ttgtcagttt tgtttggtta tgccaccaca 300
gtcatcccca gggctctatac atactatggt 330

```

<210> 1327

<211> 512

<212> DNA

<213> Homo sapiens

<400> 1327

```

ccactaaaat tcatattgag attatcttgg tttcttgga gagataggaa tgagtcttta 60
tctagtgttg caggccagca aatacagagg tggtttaatc aaacagctct agtatgaagc 120
aagagtaaag actaaggttt cgagagcatt cctactcaca taagtgaaga aatctgtcag 180
ataggaatct aaatatattat agtgagattg tgaaagcaac cttaaagttt tgaagaagac 240
tgatgagact aggtgctttg cttcctttca tcaggatatc ttctgtggca tttgagaaca 300
gaaaccaaga aacatggtta ttactaaatt atgaggcttt gctttttgtt tgcttttaag 360
tagaaaaaca tgttggcaac attgagtttt ggagttgatt gagataatat gacttaacta 420
gttttgtcat tccatttgtt aaagatacag tcaccaagaa tgttttgagt tttttgaaag 480
acccaattt aagccttgct tatttttacc tg 512

```

<210> 1328

<211> 120

<212> DNA

<213> Homo sapiens

<400> 1328

```

ggcggtcggg accctgtaca cgtatcctga aaactggagg gccttcaagg ctctcatcgc 60
tgctcagtag agcggggctc aggtccgcgt gctctccgca ccacccact tccattttgg 120

```

<210> 1329

<211> 309

<212> DNA

00920300.073101

<213> Homo sapiens

<400> 1329

```

aaaaatctga aatagtaaata taaatataaa aatgtaaact ctgaaaggag agaaaataag 60
aataaatatg tgtaaaggta atgcattaag atacaaagga tctcacagag gttaatatatt 120
tacaacacta aaaaaaata aaatgctcta tatattttct tagttgggac attttgtttc 180
aatttaattt ttggttatgt taacaaaaat tacctctaaa gaggatgta aaaaaatagc 240
aatgacgta ccatcttaac taatgaatat cctatcacc taattttttc taaaagaaat 300
ggatttttt 309

```

<210> 1330

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1330

```

ctgttgcaat caaggccatg gcaaaataac tggctcccag ggtggcggtg gtggcagcag 60
tgatcctctg aacctgcaga ggccccctcc ccgagcctgg cctgggtctg gcccggtcct 120
aagctggact cctcctacac aatttatatt acgttttatt ttggttttcc ccacccccctc 180
aatctgtcgg ggagccccctg cccttcacct agctcccttg g 221

```

<210> 1331

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1331

```

cctgttagaa aagcaccac ccaagcctcc tggcatcagc taagccattg gcattgtcgc 60
cattcccaca gggacatccg cagaccatcg tgagataagg ctg 103

```

<210> 1332

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1332

```

agaatttcag agctgaagat tttagaagca aagcaaacac attctggata cacgtgagat 60
ccaagtgggtg actgtgtctac tgagaagctg aacgaaatgg aaagcaaagc ctgttggagc 120
tgagggtcaaa gaatgtgaag ccagagtggg tactgaatgg gaaagttaat aacaaggatg 180
tggaagctat tgaggagacg gagtgcgcct aaagagctgc taagccacac atctcttgag 240
accagaagc tcgatctgat gactgaagtg tctgagctga agctcaagct ggttggcatg 300
gagaaggagc agagagagca ggaggagaag cggagaaaag cagaggagtt actgcaagag 360
ctcaggcacc tcaaaatcaa agtgggaagag ttggaaaatg aaaggaatca gtatgaatgg 420
aagctaaagg ccaactaaggc tgaagtcgcc cag 453

```

<210> 1333

<211> 174

<212> DNA

<213> Homo sapiens

<400> 1333

```

cggccgaggt aaagtagtgt tccgtgggtg ggaagcctca cctcccaaga ccagagtcag 60
ttggagctgg ttgttggttg aaggagtggt gttggggaac tgggggtggg gcaggagat 120
cccccgctc tgctggcggt cctaggtgga gaagaactgc acttcacaga gtct 174

```

05960300-03104

<210> 1334
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 1334
 cctgcagggg atgggacctt ccagaagtgg gcgtctgtgg tggcgccttc tggacaggag 60
 cagagataca cctgccatgt gcagcatgag ggtctgcccc agcccctcac cctgagatgg 120
 gagccgtctt cccagccac catcccatc gtgggcatca ttgctggcct gggtctcttt 180
 ggagctgtga tcgctggagc tgtggtcgct gctgtgatgt ggaggaggaa gagctcagat 240
 agaaaaggag ggagctactc tcaggtgca agcagtgaca gtgccaggg ctctgatatg 300
 tctctcacag cttgtaaagt gtgagacag 329

<210> 1335
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 458
 <223> n = A,T,C or G

<400> 1335
 ctgccactat gtggctcagtt tctaccttcc tgccgtcttt cagcttgata agtaacttgc 60
 cactgctgac tccaacggat tgcacaatag cattgggcat caccttaacc ccctctcgtc 120
 tgactttttc catggtccag ttgctgaggt attcggggag gatctttccc atatttcctt 180
 tctcggggaa gagttgaatc acttctgtgc ccaaggctcg agcctttctg ccaagagcac 240
 aggccagttc gctaccaagg aagccccac cgataatcgt aattgatttg acttcccgtg 300
 aaatcttctc caagcttcta aagtctccaa tctttctgaa aagcgttggt ctactcttca 360
 cctctgctcc agccctatca atggcagaca gacttcttgg agtacctcct gttgcaatca 420
 agcacttttc ataggttatt tgagagccat cattaagntt caccatgttg tctctcacat 480
 ccag 484

<210> 1336
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 542
 <223> n = A,T,C or G

<400> 1336
 tgctgggatt ggaggtgaaa aagctggcgg ttttgccccg tattatggag atgaaccaat 60
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 agaaagcctc attagtcctg atggttctcg taaaaacccc gctagaaact gcagagacct 180
 gaaattctgc catcctgaac tcaagagtgg agaatactgg gttgacccta accaaggatg 240
 caaattggat gctatcaagg tattctgtaa tatggaaact ggggaaacat gcataagtgc 300
 caatcctttg aatgttccac ggaaacactg gtggacagat tctagtgtg agaagaaaca 360
 cgtttggttt ggagagtcca tggatggtgg ttttcagttt agctacggca atcctgaact 420
 tcctgaagat gtccttgatg tgcagacctg cccgggcggc cgcccgggca ggtccacagt 480

09920300 "073104

cctcccatgg agggcctgcc gtgacgctca gtggagaggg cagggcctgt gtctccactt 540
 angccacaca gtgatgagga aaccacagat ggagcttctt gccgataata 590

<210> 1337
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 1337
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 tgctggaatc cggagacagg atacttggac cagggaaaac aaattggagg agagccagta 180
 cataaacact gccgtgggga aatgcatggt tatgggcaag gttatcaggg gcatcattct 240
 gatgacattt ctcatccact gaaggtcaga actttgcaca cctgtctcag cacctagctc 300
 aagaacagcc cacattgtag cagtgactgc cagtggtaat atgtagatgg gatcggatac 360
 cgtgagatcc tggaaccacc agaggccacc tytctgcagg ctgggcacag gaaggttgg 419

<210> 1338
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 1338
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 tgtcaccaac accaagaatc tgtccagggt tcttggttta tcttttatct cttttcactc 180
 ctagagagga attgcaattg actcagaatg acacattttg gcaccacgtg tgtagaaagc 240
 cccactgtt agatgatagc ctctgtgaaat tcatgtttct gtattctcct atttcttttc 300
 aaaaactaat tttttttttt agtgaataa atcctaagag ggaactgatt taagaaacaa 360
 ggccgcaaaa caaaggcagc agttccgact ccagcag 397

<210> 1339
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 435
 <223> n = A,T,C or G

<400> 1339
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 ctgcccaggg gtcagggcag tgggtatcac tgggtgacatc aagaatatca gggctgggga 180
 ggcacttttg tttcctgggt cctcctcaa agttgctgac actttgggga cgggaagggg 240
 tagaagttag gctgctcctt ttggagctgg agggaaataga cctggagaca gaggtaggc 300
 agtcgggctg tccaggttct aagcatcaca gcttctgcac tgggctctga ggagattctc 360
 agccagagga tccagcctc ctccctccctc aaatgtcagt ccaagcaa atccaaagcaa 420
 cgcacgatt ttgtngaagt caattagaga tgtggggagc tatcgagagc aagcactatt 480
 gtaccttttc acctccacac ttgtcacaag cagggactgt ctctctcc 527

<210> 1340
 <211> 348

<211> 551

<212> DNA
<213> Homo sapiens

<400> 1344

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agcagttcct ccaattcgat gaataatac ctctgaggag ttagggtagt cataattgat 180
gacaaatttc acatcttcca catctagccc tctggaggcc acatctgtag caatcagaat 240
aggagctttt ccatgtttga attcatttag aaccacagtc cgctcttggt gactcttggt 300
accatggata cccatggcag gccacccatc tctcctcatt tttctggtaa gctcatcaca 360
tcttcttttg gtttccacaa aaacaatggg tttattctcc ttctcactca tgatctcttc 420
cattagacga ataagttttt catccttttc tacgtcatga cacacatcca caatctgaag 480
aatgttggtg tttgcaactc gttcaagtgc accaatgttt atatgaatat agtctttcag 540
gaaatcttca g 551
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<210> 1345
<211> 213
<212> DNA
<213> Homo sapiens

<400> 1345

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ggattacagg tgtgagccac cgcacccagc ttaacatctt cttctttgac taggtaataa 120
ctctacacag ccaggaaagc attcctgata tcaaaacccc tctgaagca cttccagctc 180
atcttttctg ttctgtcttc agagaaagaa atc 213
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<210> 1346
<211> 500
<212> DNA
<213> Homo sapiens

<400> 1346

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ccagagttga ctctaggtag tgatgtgatt ttcttgggat gtttttctaa atattctttt 60
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tagtgagaac ctgtgggtgt gtgagatgat aacttgggtc ttgggtcttca tcatttgaac 180
tagtttttgt tttgtcttgt ccttcccttg agcattttgt gtgtgtttta tcctatttgg 240
taaacgaacc actgtgaaag accaagttgg agaaaacaga acaccccaaa aacatttatt 300
tttttttttt agaaaatcat ggctcactat ggtagtatac aatattgttt tcacacatgt 360
acacttgaaa ccaaatttct aaaacttgtt tttcttaaaa aatagttgtt gtaacattaa 420
accataacct aatcagtggt ttcactatgc ttccacacta gccagtcttc tcacacttct 480
tctggtttca agtctcaagg 500
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<210> 1347
<211> 231
<212> DNA
<213> Homo sapiens

<400> 1347

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gctaggatta cagatgtgag cattgtgcct ggcttagatc gccagacta tgtgtggtga 180
aaaaccactt tccttcttca aaattacaat ctttcatgga ccaacacttt t 231
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<210> 1348

09920300 073404

<211> 435
 <212> DNA
 <213> Homo sapiens

<400> 1348
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 gcttcgtcag tatagttctt ctccaggaac tcgcgcactg acttggcacc ccgacctatg 180
 gcattggcct tccaggcatg gtatgtgccc gaggggtcag tctgatagag cctaggagtg 240
 ccatcaaagt cgaaacccac gatgagggca gagatgccaa acggcctgcg ccatttgctc 300
 cgcgtataac gctgcttcag actggcgatg tagcgggtga tgtactccac agtgaccggg 360
 tcctccacag tcagccggtg gctctggcac tccaccggg ccctgttgat gactatcctt 420
 gcatcggcgg tgagg 435

<210> 1349
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 1349
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 catggggtat tgtaagaag caaaatgttc ttgtttgcc a tcatgtgtt cacaccaca 180
 ttctgtgcca cagttaagag ggtctggtac ccttgcagga cctttgtagg ttgtgggaaa 240
 aagtcgcaga aagatactca aagtggagca gggaatggag acagacatca gtgatgataa 300
 aaaaaaaaaa aaatggacct taagaaacta tttactctgt aatctctaataaaaatattgga 360
 attccatatt agggcaatga ggctgaaact actggtgttt ttctgccttg agaaaacaaa 420
 cagttaaaac aagcctcaaa tgtatttttag tgccacccac tgg 463

<210> 1350
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 1350
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<210> 1351
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 509
 <223> n = A,T,C or G

<400> 1351
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 tgcctatccc cctttggatg taaaattcat cgttagttaa catcatccgc ccagcaacaa 120
 gcaaagcaca tcgcaagatt aaaacaaaga atccgccgtg aacagaaggc agcaaagaaa 180
 atgtggagct actgggatcc cagggtgcacc aggactctgt gaggacagca cacctgagt 240
 atgatgatta acaccttctg gagccagctc atcagctcag agcccagggt caggagtctg 300
 ttcagtaacg cagcgggaat caatctgcac tgacaccgcg gcaggaactg aagctgcctt 360

05903002650

ggcaagtgag gaaccaggag ccgtcactga gtgtggctgg gctacatcat agtcatcac 420
 ggagctacga ctttgggtac tgcggacaga cctggatagg cccagcattc gttctgaaga 480
 tcacagttca cagaagcttt tgcttcgtna aga 513

<210> 1352
 <211> 555
 <212> DNA
 <213> Homo sapiens

<400> 1352
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 cttctggcct ccattcttct ctctgtctgg atgttcctgt cctcaaaccat cagactccaa 120
 gttcttcagc ttttggactc ttggacctac accagtgggt tgccaggggc tcttgggcct 180
 ttagccacag actaaagact acattttttt ttccggcttt cctacttttc agatgtgggg 240
 acttggaactg gattccttcc tcttagatt gcagacggcc aactgtggga cttcatcttg 300
 tgattgtgtg agtcaatact tctcaataaa ctctccttca tatacatatc tgtcctatta 360
 gctctgtccc tctagagaac ctgactagta caccactaat gtttttactc atgaggaaat 420
 gtaaattgtga aacagaattc aagaatcaat gctcacaata aatgtaagtt aataaataat 480
 gaagtttttag tagaaatatt gaatcccat taggaaagaa attattgtaa tcttggcaaa 540
 actatacacc attaa 555

<210> 1353
 <211> 310
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 223, 224
 <223> n = A,T,C or G

<400> 1353
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 ttggtggaga agcattttcca aaatgaagtt acagggttcta ttaaaactta ctgtcacatc 120
 aactgttaaa atagggcctt ttgtgttttg ttatttcacc ttaatatcac cagaattcct 180
 gtaattccac aattgtgatt ttactatgta gaagataatt cannttctag tctattgctt 240
 tagatgtaaa aacagccaac ctcccgcca gactacggct tccccgaacg caaggagcgc 300
 gagatggtgg 310

<210> 1354
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 1354
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 aaggttgacg cctgcacacc atagcccacc tctctgagca gactttgggt ttgtgtggtg 120
 acgtggcaca tgtttgtaca ctgggatttt tcaaaggacg ctacgcgagc agactgactt 180
 gcctcttctg tgagcactgt ggcttttgtc agatggagtg ccggtctgca gaggactgct 240
 ctttcgaatc cacagtgtta tctgtgtaaa tagctttaat ttttcttctg tgtcttaggt 300
 gaagttttgt tcatgtagca accaggtaga cagtgaacaa ataaggctgt aaatgtgctg 360
 tagttttcta ctgtgatgta cttgaaggag aacctgtgtc ctctactttt ctgatctccc 420
 acaagtattt tgtgtttgtt tctgagtc tgagggttatt attttactcc tgttttgccc 480
 ccagttttct ttgttttttt tctggagacc caggagggcc ca 522

09920300 "073101

<210> 1355
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 1355
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 gtcaattcgg ccacctccag ccaccacacc aaccacagct ctggttggtg aggagataac 120
 cttcttggag ccggagggca gcttcacacg ggtcttcttg gtctcagggt tgtgggagat 180
 aacggtggca tagttccctg atgcccgggc cag 213

<210> 1356
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 254, 342, 404, 480, 486
 <223> n = A,T,C or G

<400> 1356
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 ttttggcctt ttcttggcac tgggtgttgc ggcagggtggg cagaagtgag ccaccagtca 120
 ctgttcagtc attgccacca cagatcttca gcagaatctt ccggtaatcc cctgaagtat 180
 ctcccgagat gtcggtgtac agcgacttgc cgttttgtac aagctttttt ttttttttt 240
 ttttttttt tagnaaatag tttattcatc cagcagtttc agccctgata ctgaagcctg 300
 ttgcggggtt tcttattttt ctggctggag cctgattatg anaacatggc ctcaccacgg 360
 ggccagcgct caaattcctg ccctgccgat catccagaca tcanaggaaa tgagagtatt 420
 gctcaaataa gggagactgg agctttatta aggaaacaaa aaataccagt aagactagan 480
 agggngngtt aatg 494

<210> 1357
 <211> 403
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 36, 38, 63, 68, 77, 89, 92, 102, 126, 210, 237, 293, 337
 <223> n = A,T,C or G

<400> 1357
 caagcttttt tttttttttt tttttttttt tttttngnat aaatagactt tattgaagtc 60
 agngcctntg tactganaca gaagattgng tntacataag cncaagttgt aacatttcac 120
 aacttntaaa aggaatgtca acaattacaa cgatcatgca taccatggtc gataatcaca 180
 ttttaaaagc attttcaacc atttctaaan aaatgcttat aacattgtta tatatanaac 240
 tactttcaat aaactgcaaa acattgatcg acttttccag tatgagctac agngtcaaca 300
 caaaagggag gcataaatgt ttaatttatg aaatcanaat ggaatattta ctgtaaagaa 360
 aaattaaaaa gctttcaaat aaaggccatt atcgaaccaa cgt 403

<210> 1358
 <211> 617

09620300 073101

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 578
<223> n = A,T,C or G

<400> 1358
ctgaaaatct gaaattaaaa gcatgctaga aatcctaaat gcaatctttt ggaagtctgc 60
tattaaaaag cttttaagga ttactaact tcgagtctaa gtgcaagggg acgaaagctt 120
aagcctgtca gacattcctt ttcttggaca aaaagatcaa agtttcctac aaattgctaa 180
gctttgcaca agggagaagc ctacatgtac tagtgcattg aatcagtttc atcttatttc 240
atggggactc ttctcccact ggaaagaaac agaattgagga atgaatctta attggtctct 300
tcatacagaag tggtaaaactt ggtctctata ttcacgaagt cagacagttt ttttaagcaga 360
ctgtggaagc agacagaacc agcttcctgt agccacagac cactacatgg tatctaagct 420
aaagcaaaga tgaacaatta tccagattca cttgaactgt actaaagggc aaggttcacc 480
actacaaaag ggaagttgtc taaaagcaag aattcaatta acgctgggta agaaaagtca 540
aaacactaat gagttgtcca tgaagccaac tgctaagnac gcgctcaact atacgcgaca 600
tgaagacact atgcacg 617

<210> 1359
<211> 483
<212> DNA
<213> Homo sapiens

<400> 1359
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actttgggag gccaaaggcg gtggattgcc tgagctcagg agtttgagac caacctgggc 120
aacatgggtt aaacctgtc tctactaaaa cataaaaaaa atcagccagg tgtggttagcg 180
tgcacctgta gtcccagtta cttgggaggc tgaggcaca gaattgcttg aacctgggag 240
gtagaggttg cagagatcat gccactgcac tccagcctg ggtgacagag caagactgtc 300
tcaaaaacaa caacaacaac aacaacaaca acaaaaacaa acaaaaaaaa cctctcaaaa 360
aatgaaaaaa aaattttaat taaaaaaaaa aatgctgggt ctgatggctc acacctgtca 420
tctcagcact ttgggaagct gaggcaggca gatcacaagg tcaggagata gagaccatcc 480
tgg 483

<210> 1360
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 526
<223> n = A,T,C or G

<400> 1360
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ctttatattc tagattctaa gacattgtac agagaaattc agaagtgtaa aaatattgca 120
cattgacaaa taccaagaat ttttgcgtat gtttatattg tattgttcta aataatgggt 180
agcctgtgaa ataagatctt gccaccatg taataatagt agtaatacta tagttaaaat 240
ggctgtaaga atagttttat aaaagtgaat acacagatct attgtatttg aaacataact 300
ttgacaatta ttagtgtgac caaagtatta ggcggttttc atacattttt caccttgtac 360

05560300.073104

aaaattatga attcattttt cctccaggcc gacaaggagt tgtagaatga aaatgccctc 420
 taagtgttat tttggttggt ctaacttaca aaagtgattt tgaataagaa atatttggtg 480
 ttctttttat aaccagtttt tgattggtaa ttgttttctg tattgnnt 528

<210> 1361
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 1361
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 gaaccaaatac aaacgtctta acgcgtatag agagatcacg ttccgtgagc agacacaaaa 180
 cgggtggcagg tttggcgagc acgaactaga ccaagcgaag ggcagcccac caccgtatat 240
 caaacctcac ttccgaatgt aaaaggctca cttgcctttg gcttcctggt gacttcttcc 300
 cgaccacagaa agcatgggga atgtgaagggt tatgcagaat gttgttggtt actgttgctc 360
 cccgagcccc tcaactcgtc ccgtggccgc ctgtttttcc agcaaaccac gctaactagc 420
 tgaccacaga ctccacagtg gggggacggg cgcagtatgt ggcattggcg cagttacata 480
 ttattatttt 490

<210> 1362
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 1362
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 cgcataacat gtgtccgctg cttccatact ttaattgttt cttccagttc gatctttccc 120
 ttaatgacca gaagatcaac caccctgggg tctgtgacat gggcattctt cataaacatt 180
 tctcggactt tatcccgctc cattttcaca gtgatgtcca g 221

<210> 1363
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 1363
 aaattctctg gatgagcaag aaggggttaa aagtggaatg tatgttgtaa tagaagttaa 60
 agttgcaact caagaaggaa aagaaataac ctgtcgaagt tatctgatga caaattacga 120
 aagtgtctcc ccatccccac agtataaaaa gattatttgc atgggtgcaa aagaaaatgg 180
 tttgccgctg gagtatcaag agaagttaaa agcaatagaa ccaaatagact atacaggaaa 240
 ggtctcagaa gaaattgaag acatcatcaa aaagggggaa acacaaactc tttagaacat 300
 aacagaatat atctaagggt attctatgtg ctaatatata atatttttaa cacttgagaa 360
 cagggatctg ggggatctcc acgtttgatc cgttttcagc agtgctctga aggagtatct 420
 tacttggtg attccttggt tttagactat aaaaagaaac tgggatagga gttagacaat 480
 tt 482

<210> 1364
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 1364
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09520300 073101

ctcaggtgat gagctgagaa agatgttcac gtctaagcgt ccagtgtgca cccagcgctc 120
catagacgcc tttgtgaact gaaaagagac tggcagagtc ccgagaagat ggggccctgg 180
ctttccaggg agtgcagcaa gcagccggcc tgcagaccca gcctgaccaa cgatgagcat 240
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ttcgggtgctt cccgggcccg ggggtctgtcg ggagggaaga gaactgggccc tgacctacct 360
gaactgactg gccctccgag gtgggtcttg gacatcctag aggccctaca tttgtccttg 420
gataggggac cgggggggct tg 442

<210> 1365

<211> 414

<212> DNA

<213> Homo sapiens

<400> 1365

aaagttgctt tgctggaagt ttttataagg aatctcaaat taaactttta gaagtttaat 60
tgacactagg aagccaaacc aaggctgact tcagactttg tttgtagtac ctgtggggtt 120
attacctatg ggtttatata ctcaaatacg acattctagt caaagtcttg gtaataatac 180
caatgttttc aaatgtattc tgttatacaa agagcagatt tttattgaac ttgtgcaata 240
actatattcc catacaatat aaatattcat gaatagtttc ccaagtctgg agcgaccaca 300
tagggagaaa atgtaaatgt ctcaattttt gttcacaaaa gtatatttta tcaaattgct 360
gtaagctgtg gatagcttaa aagaaaaaaa gtttcctgaa atctgggaaa caag 414

<210> 1366

<211> 502

<212> DNA

<213> Homo sapiens

<400> 1366

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tgtgaaaagc caccaggcat tttagatccc gtttaccatg aagtgcagac acagcagata 120
cccagataat acagtcagtg caaaagtcaa atgagtaagt cagctctttg atgaggctgg 180
ctacactgca aaatataaat gaaactcgaa aatagaaggt aaggctctatt taaaaagtt 240
tgttttagtaa agtgacttga aaaaagttgt taaccacttc ccaggcatcc ctccccctctc 300
ccaccaaaaac aaacaaacaa aaaacaacaa caacaaaaaac cctgaaaatt atcttgaaag 360
tcaagttaaa actatgtggt gaaaaagaga gtgcttggtc caggtaaaagg acttcaagat 420
aatttacagg cagattttatt tttattagta aaagtcacaa ataggaaaag acttattggc 480
tgactttgag ctgtgtgctt tt 502

<210> 1367

<211> 411

<212> DNA

<213> Homo sapiens

<400> 1367

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ggcactgggc catctggggg agtgaatgac ctgagagctt ctccaggga atttgatttt 120
attttagaag agaaagctgc ttgacctgtc ccttctctc ctctgcttct ccttttaaca 180
ccaactgtat ttagatgaag actgcccccc accacogtcc cggttccatc tgtctttctt 240
acaccagtaa tctgttaaat gtgtattttt ctccctttca tgtgttgatt caacccttga 300
ggttgggtgg acattgcatt agactcacgg cttcttaata gtactggact ttgggttctg 360
ttttgtgttc catacggaga ggtctcttcc tttctgagtt tccgcatgca g 411

<210> 1368

<211> 255

05920300 "073104

<212> DNA

<213> Homo sapiens

<400> 1368

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ttggaaaaca ttgcaagac tatgaacata gaattgctgc ttttatattt taactgcaga 180
ttgtgaattt cactgcctta tattatttat ttctgaaaca aaagaggcat ttttcaataa 240
aactactgaa aattt 255
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<210> 1369

<211> 63

<212> DNA

<213> Homo sapiens

<400> 1369

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ccttcgagaa gatccctagt gagactttga accgtatcct gggcgaccca gaagccctga 60
gag 63
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<210> 1370

<211> 402

<212> DNA

<213> Homo sapiens

<400> 1370

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gggttgtgca acagtgtcct catctttcca ggcaggcaga ttattttaat gctgtttatac 120
agggaattgg gactctcgga ttttcttttt taaccttttt atgcctttca gtaggggaag 180
tttccttgaa agagagctgc aaatctctta agtatcaacg taaagaagcc gatgacccaa 240
ttcgggaggt ggttcaagtg ttctgttcgt ttacaaaagc acagaccacg accatggaca 300
caccagtggt aagtaaccac acctggtgtg ttcttagaag ctacacctgtg acagttcaac 360
aagaacttac tattccagaa aagtattaca caaagttatt tt 402
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<210> 1371

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1371

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aatcttggca gcttttttat cttgttttta atacaacggt acatccactc tgatggcaaa 180
cctgtccagc cacatctcca caacaagctt tgcaaaatca gtgattagca aattagttag 240
ctttggcacg gagctgtgct cgcttgcccg tgacagcctg gaagccggtt ttgatactgg 300
caacagaaca tctagaatga caagtttcgc actgtaggaa atagagtcgt gtgtccttct 360
gcaggattgt gtccggtgat cggcatgtgt gacaagtgc atattccttg atatatcttc 420
tcaagacatt ttctatctgt ttctgttggg atcttc 456
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<210> 1372

<211> 327

<212> DNA

<213> Homo sapiens

<400> 1372

0920300 00302560

aaaggagact ggatatggag tgaagacaca gtctattaat gtactgagtg gagtatgggt 60
 agcctatgaa aatcctgact tcacaggaga acagtatata ctggataaag gattttatac 120
 cagttttgag gactggggag gcaaaaattg taagatctct tctgttcaac ctatatgttt 180
 ggattctttc actggcccaa ggagacgaaa tcagattcac ttgttttcag aaccacagtt 240
 tcaaggtcac agtcaaagtt ttgaagaaac aacaagtcaa attgatgatt cattttctac 300
 caagtcttgc agagtttcag gaggcag 327

<210> 1373
 <211> 483
 <212> DNA
 <213> Homo sapiens

<400> 1373
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 gacctcccc caccocaaag cctaatactt gcttaccaag tcaaaaaaga gacacagttg 120
 attcacaggc tggaggtttg aacttgagta agacatttat aaaaacctag acgyggcagt 180
 gtcctcccca gcccaggtgc cactaggcac agcacaagag actaaaaaca acagggggaag 240
 gctggacact caaggttttg gagtataagc accccacttc tggctcaggg atttggggag 300
 tagggtaaac aaaacctact tggaaaagaa ttggggaaga aaaccaacaa ctgccttatg 360
 caggggtggg gacaggggaag gaggtagggc cagggacagg agcatttcac atcactaacc 420
 taacttggga agctgtaagg gaccatcttc aactggcctt aagaggagaa ccagatggct 480
 gat 483

<210> 1374
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 1374
 ccagagggaa gtggatgcgg ggatagggca ccaggttggt ctggaattct gtcaggtcaa 60
 cattcagggc tccatcaaat ctcaggggaag cagtgatgga ggacacaatt tgacctatta 120
 acctattcag gttagtatag gttggacgct caatatcgag gtttctacga cagatgtcat 180
 agatggcctc attgtctacc atgaaggcac aatcagagtg ctccaggggtg gtgtgggtgg 240
 tgaggatgga gttgtagggc tcaactacag 270

<210> 1375
 <211> 558
 <212> DNA
 <213> Homo sapiens

<400> 1375
 ccaacagagc aagaccgtgt ctcaagaaaa gaaaaaaaaa agttcaaatt ctttagaaaa 60
 cagcataatt ttagccccgt gtgatgccaa taggaattgt caaggaagtg cccgtccaag 120
 tcatggaaga tgatgttatg gtacaggtgt gagagcaacc actgaaggag attctgggaa 180
 ggccaaaggg gagggcgggc tgaggggtgt ccatttttaag ggttaacttg ccggaaacct 240
 caggccgact ttccagagca gagggcctag ctttctgccc tccccctgc aggagccaat 300
 ttagtcaaaa gaaagcaaac tctggatttg ggggtgcaaa aggagacgct ggctggcaaa 360
 gacctggcac actcatgcct accagctttt tacgtggctc taaacttcct gagcccaccc 420
 agaattccaa ctgggtgagt cctagcagcc tcttagcaca cagcaagagt cccccactcg 480
 ctaatgggac cgagcccaaa gcagatcccc tttagatgtg gagtgggtcc tatccctcca 540
 gcccctcgga atcatgat 558

<210> 1376
 <211> 456

09920300.073101

<212> DNA
<213> Homo sapiens

<400> 1376
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tacgatgtca tgtctgatga ggaaatcgag aggatcaagg agatcgcaaa acctaaactt 120
gcacgagcca ccgttcgtga tcccaagaca ggagtcctca ctgtcgccag ctaccgggtt 180
tccaaaagct cctggctaga ggaagatgat gaccctgttg tggcccaggt aaatcgtcgg 240
atgcagcata tcacagggtt aacagtaaag actgcagaat tggtacaggt tgcaaattat 300
ggagtgggag gacagtatga accgcacttc gacttctcta ggaatgatga gcgagatact 360
ttcaagcatt tagggacggg gaatcggtg gctactttct taaactacat gagtgatgta 420
gaagctggtg gtgccaccgt cttccctgat ctgggg 456

<210> 1377
<211> 397
<212> DNA
<213> Homo sapiens

<400> 1377
ctgttaaaga ttcccaaag catctgagac accatctggg gtgcagcaca acagaagacg 60
tttaagatgg gaccagaaag aagaatgtat agctcttctc taaataaacg aatgggtctgc 120
cccaagcctt caggaaggag aatgggtctat ggtgactggg gaaagttctc ttgcccctcc 180
cagcactctg atgtcagagt agtaggttaa gggtggaagg ttgacctact tggatcttgg 240
catgcacca cctaaccac tttctcaaga acaagaacct agaatgaata tccaagcacc 300
tcgagctatg caacctctgt tcttgatatt cttatgatct ctgatgggtt cttctcgaaa 360
atgccaaagt gaagactttg tggcatgctc cagattt 397

<210> 1378
<211> 333
<212> DNA
<213> Homo sapiens

<400> 1378
cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
gggtgtgctg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaat 120
cttcttcagt cgctccagggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
gctgtatttt ccctccttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcggtgga ttctgcataa tgggtgatcac acgttccacc tcctcctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cct 333

<210> 1379
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 31, 43, 53, 60, 73, 123, 139, 144, 152, 169, 246, 311, 316,
334, 337, 354, 373, 418
<223> n = A,T,C or G

<400> 1379
tttttttttt tttttttttt tttttttttt naaagcaaatt ttnttttaatt ganaactcan 60
aattaaactt canagggacc caacgtcata cttccattca gggacttgat acaaaaaatt 120

0920300.03401

tantttgaac tgctattanc aggnnggcagg anccaccttc aaatgaatnt tcaaattgga 180
 aaatactgct tcaccacctg ttggggataa gttgcaaag gaataattta gtatggtttg 240
 tagctntttt gatgaccacc tcgcctggat accttcccat aaccactctg ctggtcacca 300
 ccttttccac nagctnttcc tgcaaatacct cctntanac cccactgttg ctgntgctga 360
 tattgttctt tcnacatggc tacttttatt tcacatttac taaaaccaac attgggggnat 420
 ttcttttcca ttatcttctt cactggttct tcttccttaa agg 463

<210> 1380

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1380

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 tgacaggatc cggaagtctc catttaccba aaaatgcaag agccatgatc agtcatggcg 120
 aactgtcagg cgggtactgag tgacatgtc cagtccggct ccgtccctcc cacacggggg 180
 acaagcttct ccgaggagg 199

<210> 1381

<211> 216

<212> DNA

<213> Homo sapiens

<400> 1381

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 atataatact gaaaaagtat tcagaaatgg aaaatttaca tcatataggt tatttaactt 120
 gtgttcagcc tttttgtaac ttttttgaaa gtgcaacaa ttctttggat tattaaataa 180
 ggtatacagt atgcatgggt tctcaaattt agcttt 216

<210> 1382

<211> 466

<212> DNA

<213> Homo sapiens

<400> 1382

ctggaggccg aggagcaggg gaagcagaag aagcggcaga gtgtgtcggg cctgcacaga 60
 taccttcaact tgctggatgg aaatgaaaat taccctgtgc ttgtggatgc agacgggtgat 120
 gtgatttctt tcccaccaat aaccaacagt gagaagacaa aggttaagaa aacgacttct 180
 gatttgtttt tggaagtaac aagtgccacc agtctgcaga ttgcaagga tgtcatggat 240
 gccctcattc tgaaaatggc agaaatgaaa aagtacactt tagaaaataa agaggaagga 300
 tcaactctcag atactgaagc cgatgcagtc tctggacaac ttccagatcc cacaacgaat 360
 cccagtgtctg gaaaggacgg gccctccctt ctgggtggtgg agcagggtccg ggtggtggat 420
 ctggaaggga gcctgaaggt ggtgtacccg tccaaggccg acctgg 466

<210> 1383

<211> 92

<212> DNA

<213> Homo sapiens

<400> 1383

aaaaaagtga catttgcttt attactattg gcagggtggg cctgcatgag gtgggttagtg 60
 tgctcagggg atgggtgggc tgtggagatg at 92

<210> 1384

09920300 073104

<211> 150
 <212> DNA
 <213> Homo sapiens

<400> 1384
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 gtattctctt tgcctgaaga aacaaggcat tgaatctcta aaatgctggt ctcaatcatt 120
 gtcagagatg ttttcagttg cagtcagaag 150

<210> 1385
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 1385
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 ggaagccctc aaatgggtctg taaggattgt ggacaataag gtggaaatta agttgctgta 120
 taagaagtag ttcataattcc agtatctgtt caagtgcctt ctctgtcca agaggactct 180
 cccggagggt tccaacaaac tgaggactag atacattgaa ttcactact ttgcaggcca 240
 aaaatgcaca agtgagcatt attatcctgg ggtgatattc cattactgag ttattaagat 300
 aaaaacgttt gaaatacata caagccgtac ccacaacaga tcttggcatt gctggcttaa 360
 acaccgaaca gaattccaat aaccttttct catagtattt gcagagtgtc atttcttcat 420
 gaggtctcaag aaagactgga tcattcggaa gaaccttccc gttgg 465

<210> 1386
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 1386
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 tgtgaaaagc caccaggcat tttagatccc gtttaccatg aagtgacagc acagcagata 120
 cccagataat acagtcagtg caaaagtcaa atgagtaagt cagctctttg atgaggctgg 180
 ctacactgca aaatataaat gaaactcgaa aatagaaggt aaggtctatt tacaaaagtt 240
 tgtttagtaa agtgacttga aaaaagttgt taaccacttc ccaggcatcc ctcccctctc 300
 ccaccaaaac aaacaaacaa aaaacaacaa caacaaaaac cctgaaaatt atcttgaaag 360
 tcaagttaaa actatgtggt gaaaaagaga gtgcttggtc caggtaaagg acttcaagat 420
 aatttacagg cagatttatt tttattagta aaagtcacaa ataggaaaag acttattggc 480
 tgactttgag ctgtgtgctt tt 502

<210> 1387
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 1387
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 cagccaattt gacgacactg aggatccctg tgtggaaatc attctttggc tgtctgagga 120
 atattcatgt caatcacatc cctgtccctg tcaactgaagc cttggaagtc caggggcctg 180
 tcagtctgaa tggttgtcct gaccagtaac ccaagcctat ttcacagcaa ggaaattcac 240
 cttcaaaagc actgattacc caatgcacct ccctccccag ctcgagatca ttcttcaatt 300
 aggacacaaa ccagacaggt ttaatagcga atctaatttt gaattctgac catggatacc 360
 catcactttg gcattcagtg ctacatgtgt attttatata aaaatcccat ttcttgaaaga 420
 taaaaaatt gttattcaaa ttgttatgca cagaatgttt ttggtaatat taatttcac 480

05920300.073104

taaaaaatta aatgtctttt aagaacatt cttttccact tgttaaaaaa atta 534

<210> 1388
<211> 475
<212> DNA
<213> Homo sapiens

<400> 1388
ccactagagg tctgtgtgcc attgcccagg cagagtctct gcgttacaaa ctccataggag 60
ggcttgctgt gcggaggggcc tgctatggtg tgctgcggtt catcatggag agtggggcca 120
aaggctgcga ggttggtgtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
ttgtggatgg cctgatgac cacagcggag accctgttaa ctactacgtt gacactgctg 240
tgcgccacgt gttgctcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
gggacccaac tggtaagatt ggccctaaga agcccctgcc tgaccacgtg agcattgtgg 360
aaccctaaaga tgagatactg cccaccaccc ccatctcaga acagaagggt ggggaagccag 420
agccgcctgc catgccccag ccagtcccca cagcataaca gggctctcctt ggcag 475

<210> 1389
<211> 399
<212> DNA
<213> Homo sapiens

<400> 1389
cggaaaatag cctttgccat cactgccatt aagggtgtgg gccgaagata tgctcatgtg 60
gtgttgagga aagcagacat tgacctcacc aagagggcgg gagaactcac tgaggatgag 120
gcggaacgtg tgatcaccat tatgcagaat ccacgccagt acaagatccc agactgggtc 180
ttgaacagac agaaggatgt aaaggatgga aaatacagcc aggtcctagc caatgggtctg 240
gacaacaagc tccgtgaaga cctggagcga ctgaagaaga ttccgggcca tagagggctg 300
cgtcacttct ggggccttcg tgtccgaggc cagcacacca agaccactgg ccgccgtggc 360
cgcaccgtgg gtgtgtccaa gaagaaataa gtctgtagg 399

<210> 1390
<211> 372
<212> DNA
<213> Homo sapiens

<400> 1390
ccactaacag acctgatact ttggatccag cactgatgag gccagggaga ttggatagaa 60
aaattgaatt tagcttgccc gatctagagg gtcggaccca catatttaag attcacgctc 120
gttcaatgag tgttgaaaga gatatcagat ttgaactgtt agcacgactg tgtccaaata 180
gcactgggtgc tgagattaga agcgtctgca cagaggctgg tatgtttgcc atcagagcac 240
ggcgaaaaat tgctaccgag aaggatttct tggaagctgt aaataaggctc attaatgtctt 300
atgccaaatt cagtgtctact cctcgttaca tgacatacaa ctgaaccctg aaggctttca 360
agtgaataact tt 372

<210> 1391
<211> 466
<212> DNA
<213> Homo sapiens

<400> 1391
ctggtcacct tacgcaagag ccaggctgaa acatcccctc catactcagc tctttaactt 60
ttcttttctt ttttcatcgg gctcttttct aaaaagctga gctgtaaaat attttacatc 120
gaggataat aaataatcat gtacatgttt taccaccacc cagggtcaaga catagaatgt 180

09920300 073104

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<210> 1392
<211> 156
<212> DNA
<213> Homo sapiens
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<210> 1393
<211> 480
<212> DNA
<213> Homo sapiens
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<400> 1393							
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gcagctccag	ccgtgggcat	cctgaatggg	aggaagaatg	gacagtgtgg	gaaggggaag	120	
ggcagcaggg	acttaggacc	agatggggcc	tgtagctctg	gggacggcac	aggtgcagca	180	
aggaccggct	ccctctcact	ggggaacgaa	acaggccatc	ccgcaagagc	cttcacagca	240	
cttcttgatt	cctgggcagt	cagtatcttt	caagcagcgg	ttagggggat	tcaacatggc	300	
gcaccggatc	aagataatgg	ggcaggagcc	aggcttagtg	ganactggac	ctttgactgg	360	
ctcttgcgct	ttgactttat	ctcgaccttt	aactgaaact	tgtcctttaa	cgggatcttg	420	
tccattgaat	qqaacacggc	ctttgacagt	gtcttgacct	ttaacaggaa	ctcccgtgac	480	

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<210> 1394
<211> 487
<212> DNA
<213> Homo sapiens
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<400> 1394						
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attcacattt	cacgtggttt	tagacacgca	ggttattcag	acagacacag	acaacaaaac	120
aagcctcaaa	gccagaacaa	aacaaaacaa	aacaaaatcg	aacataggtg	taaaaggtta	180
aatatatgta	caaagtacac	agtacgtgag	gtatacacgg	cattctcaca	atgcatgtta	240
gtagtttgcc	taggcatagc	ccttaaagat	gactgcctgt	ttttgtgccg	tttctcaaaa	300
tacagtatat	tttgtttacc	cgtttaacca	cctgatttca	gcactgtcca	agacagttac	360
tgatatttca	tctgaatttg	ttttttaatg	aaagttgcaa	tttctccatt	aagctccatc	420
ttttgtaggg	gagtgagttt	ccatctctgg	acatatctaa	cagaggctgg	attcccacct	480
acaaaaag						487

<210> 1395

<211> 256
 <212> DNA
 <213> Homo sapiens

<400> 1395
 ctgaaaagca acaacaaaag ggtttggttg caacagccag tgtgggtacc tctggggaga 60
 gaggacctcc tctgacaaac tgggtctggtg cccaccatgt gccaggatcc accctggcct 120
 ctttttacct actgactccc cagaacaacc cttccagggt tctcttgtca tctttctctg 180
 cctgagggga aactgaagct ctgaaatgcg atgtgatctg taccagggtca cccagctatg 240
 ctgcaaagtg ggtttg 256

<210> 1396
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 536
 <223> n = A,T,C or G

<400> 1396
 aaagcaaaag agacatcctt taataactgt ataaaatcca ggcagttcca ttaaaggggt 60
 taagaaaacc aacaacaaca aaaagcgagg gactgtctgt tgtcactgtc aaaaaggcac 120
 ttggagttaa tgggaccagg attgggggac tcttagctga tacagatttc agtacgattt 180
 cattaaaagg cttggatggt aagagaggac actcagcggg tcctgaaggg agacgctgag 240
 atggaccgct gagaagcgga acagatgaac acaaagggaat caaatcttta caaccaaatt 300
 gcatttaagc gacaacaaaa aaaggcaaac cccaaaacgc aacctaacca aagcaaaatc 360
 taagcaaaat cagacaacga agcagcgatg catagctttc ctttgagaga acgcatacct 420
 tgagacgcta cgtgccaacc taagttctca acgacagctt cacagtagga ttattgtgat 480
 aaaaatgact caagcgatgc aaaaagtttc atctgttccc agaatccgag ggaganctga 540
 ggtgatcggt agagcatagc gaca 564

<210> 1397
 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 238, 266
 <223> n = A,T,C or G

<400> 1397
 ccttggttga ttcatgattc ttttcacaag cacctggatc ttttcctaag gataaaaaga 60
 ggcacaagga gacaaaaggc tttggaggga aagaaaatat cttgttgtga ccatgtgctg 120
 ttctgaaaca agaaggaaaa gcatgtgggc attgaatggc tgcgatcaaa gaccgcatgg 180
 tgacagcacc ctggaaagac gatgtcactt ccacgaggac acctgcccgg gcggtcgncc 240
 gggcaggtct ggtaggggag gccganacac caccctgga gtgatggagg aggaggatgt 300
 cattg 305

<210> 1398
 <211> 304
 <212> DNA

05920300.073104

<213> Homo sapiens

<400> 1398

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ccaagggaga tgttacagcc cagatagctc ttcagcctgc actgaagttc aatgggtggtg 60
gtcatatcaa tcatagcatt ttctggacaa acctcagccc taacgggtggt ggagaaccca 120
aaggggagtt gctggaagcc atcaaacgtg acttttggttc ctttgacaag ttttaaggaga 180
agctgacggc tgcattctgtt ggtgtccaag gctcaggttg gggttggctt ggtttcaata 240
aggaacgggg acacttacia attgctgctt gtccaaatca ggatccactg caaggaacaa 300
cagg                                             304
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<210> 1399

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 449

<223> n = A,T,C or G

<400> 1399

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aaatgtttgt gtgggtggtc tgtgtagtta ctccccatac aacaaagctg acaaaatttt 60
taatttacac aatgtattct gcattttcaa atgtttatgt tgtgtatata gcaaagaaat 120
tatcttactg atatgcgttg accaaatccc atggagaaaa gacatctcat ttgaggttcc 180
ccttcctctc atgtgtttga ttttttgga ggtgatacag tatgtgggta accatgcaaa 240
tgtttatgaa taactttact gaagtgattc catccgtatt ctgttctaata acttggagaa 300
tgaccttcat atttatata tttatttctt tgtttcaact atccagtgat aattcaggaa 360
atgtttcctt tttttttttt ttacaaaaac tttttatttg taaaatgttt gtaataatgt 420
aaaggtgaac atgttcaata aaaatcatnt attaaaagtt 460
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<210> 1400

<211> 469

<212> DNA

<213> Homo sapiens

<400> 1400

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cctggctggg cctccactgt tgaggtcatt atgggtgcttc cgctttattc tgattaactt 60
ttggttacac acattgaaaa atgacctaa agagttgttt tgagtggcgc tttttctcat 120
tgtacagctc ctgctagcag ttactgcaa cactgatttc tctggaacct ctgagtttcc 180
agtcattcatt agggctgtta ctagcaagga cctacaagcc agcctcaaaa tgtgagaggg 240
ctgccgacag tcttcctgtg gttagctgcc acagtgccca gggaccatct tccctctcct 300
cctccccac tgccagctcc tgttccagcc gcatcagttc ctcatgtgag agatcttctt 360
catgggactg cagcaactgg tccacagcag cctcagcaac ctcttcaaag gccacatttc 420
tggcaagggt cacaatgttt ttttgaagct gtgcaatgtt atctgcctg 469
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<210> 1401

<211> 372

<212> DNA

<213> Homo sapiens

<400> 1401

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ctgggaagtc tgtgccccca tcctttctgcc aggtatatctg gggggctggg tgccccacag 60
cagcacactc caagcgtgcc atggccccag ctcggtatgtt gagatccatg ggggtcttgg 120
tgaatgaggg aagcatatct actgtaagct tggctttgac agagtaggat gaaccaaagt 180
```

05920300-0340

gattggagat gacacactga tatttcccct cactggcaaa ttccacctcg cgcagccgaa 240
 ggatggtggt atactccatc acctcgccac cttgggcccg gaggtgtgca taattttcca 300
 tttcagcatc atgcagtagt tcattgtctt tttccaagc aaaagtcatt ggggaatcac 360
 tgctgctggc ag 372

<210> 1402
 <211> 542
 <212> DNA
 <213> Homo sapiens

<400> 1402
 gaacaattgt ctctggacgg cagctatgcg actcaccgtg ctgtgtgctg tgtgcctgct 60
 gcctggcagc ctggccctgc cgctgcctca ggaggcggga ggcatgagt agctacagt 120
 ggaacaggct caggactatc tcaagagatt ttatctctat gactcagaaa caaaaaatgc 180
 caacagttta gaagccaaac tcaaggagat gcaaaaattc tttggcctac ctataactgg 240
 aatgttaaac tcccgcgtca tagaaataat gcagaagccc agatgtggag tgccagatgt 300
 tgcagaatac tcactatttc caaatagccc aaaatggact tccaaagtgg tcacctacag 360
 gatcgtatca tatactcgag acttaccgca tattacagt gatcgattag tgtcaaaggc 420
 tttaaacatg tggggcaaa agatccccct gcatttcagg aaagtgtgat ggggaactgc 480
 tgacatcatg attggctttg cgcgaggagc tcatggggac tcctacccat ttgatgggcc 540
 ag 542

<210> 1403
 <211> 496
 <212> DNA
 <213> Homo sapiens

<400> 1403
 ccttatttct cttgtccttt cgtacaagga ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga ttgcgctggt atccctaggg taacttggtc cgttgggtcaa 240
 gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
 ctgcgagggt ggggttctgct ccgagggtcg cccaaccgaa atttttaatg cagggttggt 360
 agtttaggac ctgtgggttt gttaggtagt gtttgcat taataattaaa gctccatagg 420
 gtcttctcgt cttgctgtgt catgcccggc tcttcacggg cagggtcaatt tcaactggtta 480
 aaagtaagag acagac 496

<210> 1404
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 1404
 ctggtcttta attatgtggt tccgaagcaa attccttgta tgggcatcaa ttggaggggt 60
 tccatctttg aatacagaat tcaggggagc caggagggtc aaccgctcac ttccagagag 120
 atgattgccg aggcgggctt gtctgaaaag gtcaatggct gtggacacat cagactctgc 180
 agccaattca aatagtgtct tggctgagtc tgggatgagt agctcatcaa tgtagtggat 240
 caccocgttg gtggctagga tgtctttatt ggagatgac gccttcccgt tgatagttag 300
 catgtccccg ctgcagccca cctccagtgt cgtgcccctc aggggtctcta cagacagccc 360
 cgcaacgatg gcttcagcac acatagctga cttcaagatg tgggtgttca gcagggtctct 420
 cagggtcttct ggggtcgccca ggatacgggt caaagtctca ctagggatct tctcgaagg 479

<210> 1405

<213> Homo sapiens

<400> 1409

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ccagtataat gctatTTTTa agactataca gtatgtacgt gcacacacac aactgtcat 60
gtgcacagaa acatacaatg tgtattcTTa tcatcaatgg tccaattTaa tgaatcacac 120
agattgaaag ggTTcaagtc tTaaagaagt tatgagcacc atagctggTg ctcagactgt 180
gcatgtatct ttggatcaat gagttgtTga aagtctgctg ggtgcagtaa agtacagaat 240
acagaacatc aatgtTTaat gTTaatacgg taggcaaaga gacccagtca gTTtcctggg 300
ttgctttact ggacggctga tgaactaggt actctgtTca cttggTaaat tctcagaagc 360
cagattgact ctctatgtat cttgtTTtat caggattgtt tgcatagctt gctaaaaggc 420
acctaagcag cagcatcatc tctatgtctt cagtaaattg tggaacattt ctaaaatact 480
cctggaagca gagacagtgt ggtccttt 508

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<210> 1410

<211> 341

<212> DNA

<213> Homo sapiens

<400> 1410

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aaatgttcta ttacagcatt atgcttcatc accacctgtt tctgaatgat ttcactttga 60
ttagaagctt ggagggtgtg ttacagccta atttctatct gttgctgttt cttcttttgc 120
tgctgatccc tgagttgctg aaccttttgc aactgctctt gcacactggc tgctgcact 180
gtaaccacat tctgaatctg gtgagtctgc acagcactgc tttgctgaat ttggataggt 240
aactggagtt tgatttgctg gggcacacca ctttgctgag cctgtatctg agccacaacc 300
tgtgactgga tctgagagag aacctggact tgttgttgca g 341

```

<210> 1411

<211> 566

<212> DNA

<213> Homo sapiens

<400> 1411

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ccaggTTTTa gatattaacc tggctgcaga gccaaaagtg aaccgaggaa aagcaggtgt 60
gaaacgatct gcagcggaga tgtacggctc ctcttttgac ttggactatg actttcaacg 120
ggactattat gataggatgt acagttaccc agcacgtgta cctcctcctc ctctatttgc 180
tcgggctgta gtgccctcga aacgtcaacg tgtatcagga aacacttcac gaaggggcaa 240
aagtggcttc aattctaaga gtggacagcg gggatcttcc aagtctggaa agttgaaagg 300
agatgacctt caggccatta agaaggagct gacccagata aaacaaaaag tggattctct 360
cctggaaaac ctggaaaaaa ttgaaaagga acagagcaaa caagcagtag agatgaagaa 420
tgataagtca gaagaggagc agagcagcag ctccgtgaag aaagatgaga ctaatgtgaa 480
gatggagtct gaggggggtg cagatgactc tgctgaggag ggggacctac tggatgatga 540
tgataatgaa gatcgggggg atgacc 566

```

<210> 1412

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1412

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ctgggcccgc ttagcccacc aggcattgagg ccaagggctc cactgaccag gagggcagg 60
tctctaactc ttatcttcca cagggtccaa gagttcatca ggaccccaa gaggtagtga 120
gggggcaagg ctctggcaca aaacctcctc ctcccaggca ctcatTTata ttgctctgaa 180
agagctttcc aaagtattt 199

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<210> 1413

<211> 444
 <212> DNA
 <213> Homo sapiens

<400> 1413
 ccatgaattt taattgaatt tttgacgggg caagctacgt tacattatgg cagaaaaaaaa 60
 gtgcaactga catactacaa agagattttt taagtttaaa aaaagtttgg atcttttgga 120
 tttctttttt ttttttggtc tttatgtgct taaataacgc tgaattataa ttagccacac 180
 aaataatgag agtttttatt ttttttctgg ctcaactccaa atcagcctgt taaggatatat 240
 ttcctttctac agccttttcct gatttttgcatt gttctcattc ccaaagtagt ctaccttagt 300
 ttacactcaa aggttagcact tgttgaaact acatgacaga aacaggctgc aaagggtggac 360
 aagggggaagc atgtccctct tgtcttgata aatcagtgcc acacacagaa cccacatttt 420
 ctgagacatt atcttcatta taga 444

<210> 1414
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 1414
 ccagtatgtc cccaggatta tgtttgttga cccatctctg acagtttagag ccgatatcac 60
 tggaagatat tcaaacctgc tctatgctta cgaacctgca gatacagctc tgttgcttga 120
 caacatgaag aaagctctca agttgctgaa gactgaattg taaagaaaaa aaatctccaa 180
 gcccttctgt ctgtcagg 198

<210> 1415
 <211> 584
 <212> DNA
 <213> Homo sapiens

<400> 1415
 ctgttttctc agaggggaaaa atcttgagac cagatgggtg agctctggag tcagaggaaa 60
 tgggtgtctt cagcaciaaag ctgctgcttt tacttcagcc acttctgaca tttttacata 120
 ccgagcctga gattatgtga ttatctcaaa tcaaatcact ttgatggaga taaataatca 180
 aaactgtttt atagtcattg atttggtgag aacagtaatg gaaaatggtg ttgaaggact 240
 tctcattttt ggagcttttc ttcagagtc ctggctgatt ggtgttcgct gttcatctga 300
 gccccaaaaa gcattattac tgatacttgc acacagtcaa aagcgcagac tggatggatg 360
 gtcttttata aggcatttaa gggtacacta ctgtgtttca ctgaccatac atttttctta 420
 gccctcaag taatatagca cagagttatg aatgacaatt cccctaacca ttctcttca 480
 tatctgcctc ttccccttac catcgtaatt ctccaaactg gtcataaagg cactctgtga 540
 agatattggg gactgacatc ttaagctctc acctggctgc agta 584

<210> 1416
 <211> 525
 <212> DNA
 <213> Homo sapiens

<400> 1416
 gtagtttctt catttcagga agactgacag ttgttttgct tcttccttaa agcatttgca 60
 acagctacag tctaaaattg cttctttacc aaggatatatt acagaaaaga ctctgaccag 120
 agatcgagac catcctagcc aacatcgtga aaccccatct ctactaaaaa taaaaaatg 180
 agctgggctt ggtggcgcgc acctgtagtc ccagttactc gggaggctga ggcaggagaa 240
 tcgcttgaac ccgggaggtg gagattgcag tgagcccaga tcgcaccact gcactccagt 300
 ctggcaacag agcaagactc catctcaaaa agaaaagaaa agaagactct gacctgtact 360

```

cttgaataca agtttctgat accactgcac tgtctgagaa tttccaaaac tttaatgaac 420
taactgacag cttcatgaaa ctgtccacca agatcaagca gagaaaataa ttaatttcat 480
gggactaaat gaactaatga ggataaatatt ttcataattt tttat 525

```

```

<210> 1417
<211> 505
<212> DNA
<213> Homo sapiens

```

```

<400> 1417
gttgaaagtt tgacaagtga atgaagttca catctggaaa tcgttgaaca tttttcgttc 60
atggaactca atggctacgt tagtcgttta tgcttttcac tgttgtggtg ggggctttgg 120
aagtaaagtc catcaacaat ggatacagaa gacctggatt tggaataagg gcaaaattta 180
tttgatgggg ctgaattgct ctgccaggag catttggtgt gagatgaaat ggcctctctt 240
gagactgagc tgccaacctg gcaattattg tctgctaagg gttctcttta ttcacctta 300
cttggacttc ctttctgtgta gggaattctca cgtaaaatga aatcttccct cccccaggg 360
gtccgcaatg ttgccagtgt ctgtctgcag attggctacc caactgttgc atcagtaccc 420
cattctatca tcaacgggta caaacgagtc ctggccttgt ctgtggagac ggattacacc 480
ttcccacttg ctgaaaaggt caagg 505

```

```

<210> 1418
<211> 503
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 463
<223> n = A,T,C or G

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<400> 1418
gccgaggaaa accgcgtact attagccatg gtcaacccca ccgtgttctt cgacattgcc 60
gtcgacggcg agcccttggg ccgcgtctcc tttgagctgt ttgcagacaa ggtcccaag 120
acagcagaaa attttctgtgc tctgagcact ggagagaaag gatttgggta taagggttcc 180
tgctttcaca gaattattcc aggggttcac tgctcagggtg gtgacttcac acgccataat 240
ggcactgggtg gcaagtccat ctatggggag aaatttgaag atgagaactt catcctaaag 300
catacgggtc ctggcatctt gtccatggca aatgctggac ccaacacaaa tggttcccag 360
tttttcatct gcaactgcaa gactgagtgg ttggatggca agcatgttgt gtttggcaaa 420
gtgaaagaag gcatgaatat tgtggaggcc atggagcgct ttngggtcca ggaatggcaa 480
gaccagcaag aagatcacca ttg 503

```

```

<210> 1419
<211> 360
<212> DNA
<213> Homo sapiens

```

```

<400> 1419
aaaaacctgt acacagtgtt tattgtgggt aggaagcaat ttcccaatgt acctataaga 60
aatgtgcacg aagccagcct gaccaacatg gtgaaacccc atctgtacta aacataaaaa 120
aattagcctg gcatgggtgt gtacgcctgt aatcccagtg acttggggagg ctgaggcagg 180
agaatcgctt gaaccgggga ggcggagggt gcagtgcgtc aagatcgcg cactgtactc 240
cagcctgggc aacagcgaga ctccatctca aaaaaaggga aatgtgtatc aagaacatga 300
ttatccaggg gtattttcta attcagatca tcaaactgat tatatagaag agttggcttt 360

```

<210> 1420
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 1420
 ccaagaagct agggctgctg gtcttccccct acacacacca gaactgggaa gtgcagtaca 60
 gtcgtgatgc tcctctgccc ccccggaag acctcaacgc ccctgacctc tatatcccca 120
 cgatggcctt cattacttac gtgctcctgg ctgggatggc actgggcatt cagaaaagg 180
 tctccccgga ggtgctgggc ctgtgtgcaa gcacagcgct ggtgtgggtg gtgatggagg 240
 tgctggccct gctcctgggc ctctacctgg 270

<210> 1421
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 1421
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggta tggagagata atgggcgatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gaggctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatcatg gggatgtag aagaaacatt tgcgtatag 240
 aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggagatac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
 ttacttcaag agttaagagt ggcagtttgg ggatagcacc aagagat 467

<210> 1422
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 487, 555
 <223> n = A,T,C or G

<400> 1422
 ctgccgtctt aaagcagatg tgcgcaacag tgtacaggca cacctgccat agcaaattcc 60
 taggatacct cagtcctcca tgttggtatg cttttctttt caacaatgtg gaaaatgcag 120
 tttaccaaga agcttttttg gttttccttt taaggattta cttcaaaaaa gcaagcgatg 180
 agtttgccctg tggagcgggtg tttgaggaga tctgggagga tgagacgggtg ctcccgatgt 240
 atgaaggccg gattctgggc aaagtggagc ggatcgattg agccctgggg tctggctttg 300
 gtgaactgtt ggagcccga gctcttgtga actgtcttgg ctgtgagcaa ctgcgacaaa 360
 acattttgaa ggaaaattaa accaatgaag aagacaaagt ctaaggaaga atcggccagt 420
 gggccttcgg gagggcgggg ggaggttgat ttcatgatt catgagctgg gtactgactg 480
 agataangaa agcctgaact atttattaaa aacatgacca ctcttgcta ttgaagatgc 540
 tatttgagag actgncatac ataatatatg acttcctagg gatct 585

<210> 1423
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 1423

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tgggatcctc aaggtgcctg ccatcaatgt caatgactcc gtcaccaaga gcaagtttga 60
caacctctat ggctgccggg agtccctcat agatggcatc aagcgggcca cagatgtgat 120
gattgccggc aaggtagcgg tggtagcagg ctatggtgat gtgggcaagg gctgtgcca 180
ggccctgcgg ggtttcggag cccgcgtcat catcaccgag attgaccca tcaacgcact 240
gcaggctgcc atggagggct atgaggtgac caccatggat gagg 284
```

<210> 1424

<211> 243

<212> DNA

<213> Homo sapiens

<400> 1424

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ctggatcact tcccgcagtc cttgggcagc gctttgctgt ggaacacgag agtcctcct 60
caggggcttg gcactcacct tctattctgt atgatgtatt tggttaaaca ctgtcaaata 120
atagagatgt gccagattta gattttctta ccctaactctg tttaatattg taactttatt 180
ccatttgaaa gtgtcaagcc cattcagata agctataatc tggctcttaa ggaacacaac 240
ttt 243
```

<210> 1425

<211> 132

<212> DNA

<213> Homo sapiens

<400> 1425

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ctaagacctc cagctacctg acccccgacc tctggaagga gactgtattc accaagtctc 60
cctatcagga gttcactgac cacctcgtca agaccacac cagagtctcc gtgcagcgga 120
ctcaggctcc ag 132
```

<210> 1426

<211> 222

<212> DNA

<213> Homo sapiens

<400> 1426

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cctcttttta ccagctccga ggtgattttc atattgaatt gcaaattcga agaagcagct 60
tcaaacctgc cggggcttct cccgcctttt ttcccggcgg cgggagaagt agattgaagc 120
cagttgatta gggtagcttag ctgttaacta agtgtttggtg ggtttaagtc ccattggtct 180
agtaagggtc tagcttaatt aaagtggctg atttgcgttc ag 222
```

<210> 1427

<211> 270

<212> DNA

<213> Homo sapiens

<400> 1427

```
ccagagggaa gtggatgcgg ggatagggca ccaggttggt ccggaattct gtcagggtcaa 60
cattcagggc tccatcaaat cttaggggaag cagtgatgga ggacacaatt tgacctatta 120
acctattcag gttagtatag gttggacgct caatatcgag gtttctacga cagatgtcat 180
agatggcctc attgtctacc atgaaggcac aatcagagtg ctccagggtg gtgtgggtgg 240
tgaggatgga gttgtagggc tcaactacg 270
```

<210> 1428

<211> 517
 <212> DNA
 <213> Homo sapiens

<400> 1428
 ctgcagcctg ggactgaccg ggaggctctg attatttacc caccacaggt aggttgtgtt 60
 ctgaatctca gggtcacagg ttaaggctac agcatcctca tcctccacgg gggtggagtt 120
 gttgctggtg atgaagggtt tgggtggctc atagactgtg atcgtcgtga ctgtgggtcct 180
 attgaggcca gtgtctgagt tatgggcttg gcacgtatag gatccactat tattcacagt 240
 gatgttgggg ataaagagct cttgggtgga ttgctggaaa gtcccattga caaaccaaga 300
 gtactgtgca ggtgggttag aggctgcgtg gcaggagagg ttccagatttt cccctgatct 360
 gtaagatgtg tttagagggg aaatggtggg ggcacccggg ccatagagga cattcaggat 420
 gactgaatca ctgcgcctgg cactcactgg gttctgggtt tcacatttgt agcttgctgt 480
 gtcatttctt gtgacattga atagagtgag ggtcctg 517

<210> 1429
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 1429
 cctagctcca accaagagtg tgctccagat gtgtttgggc cctacctggc acagagtcct 60
 gtccttgga aaggaaagga ccacagcaaa caccattctt ttgcccgtac ttccatagaag 120
 cactggaaga ggactggtga tgggtggagg tgagaggggtg ccgtttcctg ctccagctcc 180
 agaccttgtc tgcagaaaac atctgcagtg cagcaaatcc atgtccagcc aggcaaccag 240

<210> 1430
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 1430
 ctggatgagc caaaactaga acgacggcct cgggagagac acccaagctg gcgaagtga 60
 gaact 65

<210> 1431
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 1431
 gtgctgagag tgcggagtgt gtgctccggg ctcggaacac acatttatta ttaaaaaatc 60
 caaaaaaatc taaaaaatct ttt 83

<210> 1432
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 1432
 ccagcaacat gtccctgata tcagtgaggt cctccttggg gaacacaaaag cccacattcc 60
 cccggatatg aggcagcagt ttctccagag ctgggttggg ttccagggtgc cctcggatgg 120
 ccttgccgat catggtgttc ttgcccatca gcaccacagc cttcccgcga agggacatgc 180

09520300.073104

ggatctgctg catctgcttg gagccacat tgtctgctcc cacaatgaaa catttcggat 240
aatcatccaa tagttggatg atcttaagga agtagttgga cttccaggtc gccctgtctt 300
ccctgggcat cacggcggtg cgtcagggat tgccacgcag ggtttaaaga cgatgtcact 360
tcqacgagga c 371

<210> 1433
<211> 315
<212> DNA
<213> Homo sapiens

<400> 1433
ctctcagctc tcggcgcacg gcccagcttc cttcaaaatg tctactgttc acgaaatcct 60
gtgcaagctc agcttggagg gtgatcactc tacaccccca agtgcatatg ggtctgtcaa 120
agcctatact aactttgatg ctgagcggga tgctttgaac attgaaacag ccatacaagac 180
caaagggtgtg gatgagggtca ccattgtcaa cattttgacc aaccgcagca atgcacagag 240
acaggatatt gccttcgcct accagagaag gaccaaaaag gaacttgcac cagcactgaa 300
gtcagcctta tctgg 315

<210> 1434
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 359, 360
<223> n = A,T,C or G

<400> 1434
aaaataaagg ataaattcta agtaagtcac taagctaagg aaaaagcagt gatactagta 60
agccttaata ttatactaag gaattgaccc acttggagtt ggacactaat tagtgctgag 120
aggtttgtaa attactttta taactccttt ctgtttgggg gtgtatgctt ttccataacc 180
tatctttcac atgtttttta caacatcttc taagtggtaa taatgagcat atctcttacc 240
acagagcaaa ttagttatcac ttaaggggaa gtcacaacca acacggtagt catctgactt 300
tctattaaga aagatcttct gactgcaact tgaaaacatc tctgacaatg attgagaann 360
gcattttaga gattcaatgc cttgtttctt caggcaaaga gaataccagt cttgtgggag 420
acctttaacc aaataccag tgacttttag tgtttagctca ggacag 466

<210> 1435
<211> 328
<212> DNA
<213> Homo sapiens

<400> 1435
cccacggact cctggtctga gcccaataaa gactgttaat tcctcatgcg ttgcctgccc 60
ttcctccatt gttgccctgg aatgtacggg acccaggggc agcagcagtc caggtgccac 120
aggcagccct gggacatagg aagctggggg caaggaaagg gtcttagtca ctgcctcccg 180
aagttgcttg aaagcactcg gagaattgtg caggtgtcat ttatctatga ccaataggaa 240
gagcaaccag ttactatgag tgaaagggag ccagaagact gattggaggg ccctatcttg 300
tgagtggggc atctggttga ctttccac 328

<210> 1436
<211> 181
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 30, 66, 94

<223> n = A,T,C or G

<400> 1436

```

tttttttttt tttttttttt ttttttttgn aaagcgctga tcctgtttat ttggcaggaa 60
aacganacaa tccagcagcc caggagggac aggnngactt aatcctcctc ctcgctcgtct 120
ccagccccag cccacacctg gcccttcttg gcattcttcc tcttcacgcg gcccgggcgg 180
c                                                    181

```

<210> 1437

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 430

<223> n = A,T,C or G

<400> 1437

```

ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctgggtg 180
atactgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
tcaaagcagt ggacaagaag gctgctggag ctggcaaggt caccaagtct gccagaaaa 360
ctcagaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg 420
gaagaacggn ctcagaactg tttgtttcaa ttgg

```

<210> 1438

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 386, 388, 418

<223> n = A,T,C or G

<400> 1438

```

aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60
agtcccatga aattaattat tttctctgct tgatcttggt ggacagtttc atgaagctgt 120
cagttagttc attaaagttt tggaaattct cagacagtgc agtggtatca gaaacttgta 180
ttcaagagta caggtcagag tcttcttttc ttttctttt gagatggagt cttgctctgt 240
tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc 300
aagcgattct cctgcctcag cctcccgagt aactgggact acaggtgctc gccaccaagc 360
ccagctcatt tttgtatttt tagtananat ggggtttcac gatgttggtc aggatgggnt 420
cgatctctg

```

<210> 1439

0990300 073401

```
<220>  
<221> misc_feature  
<222> 406, 422, 436  
<223> n = A,T,C or G
```

```
<210> 1440
<211> 420
<212> DNA
<213> Homo sapiens
```

```
<210> 1441
<211> 286
<212> DNA
<213> Homo sapiens
```

```
<210> 1442
<211> 103
<212> DNA
<213> Homo sapiens
```

```
<400> 1442
ctggcatttt ggcagatgca tagagacatc tgagaccctc agaaaggaag gataatccaa 60
gaatatagga aatctgtgtt ctcttccttt cattttatcc ctt 103
```


<210> 1443
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 1443
 ctgcagagag aactcgaatgc caccgcaacg gtattggcga accggcagga tgaaagtga 60
 cagtccagaa agcggcttat cgaacagagc cgggagttca agaagaacac tccagaggat 120
 ttgcgcaagc aggtagcgtc gctgctgaag agtttccaag gagagattga tgcactgagt 180
 aaaagaagca aggaagctga agcagctttc ttgaatgtct acaaaagatt gattgacgtc 240
 ccagatcccg taccagcttt ggatctcggg cagcaactcc agtcaaagt gcagcgctg 300
 cacgatattg aaacagagaa ccagaaactt agggaaactc tggagaata caacaaggaa 360
 tttgctgaag tgaaaaatca agagggttac ataaaagcac ttaaagagaa aatccgagaa 420
 tatgaacagg cactgaagaa ccaagccgaa accatagctc ttgagaagga acagaagtta 480
 cagaatgact ttgcagaaaa ggagagaaaag ctgcaggaga cacagatgtc caccacctc 539

<210> 1444
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 479
 <223> n = A,T,C or G

<400> 1444
 ctgctttgtt ttctgttggc agtggaggga caaggtgaga ggagccaggg gtagtcatga 60
 acaccagtgg gttctgacct gggcagctcc ccaccttctt taagagagta ctgtgtctca 120
 gctccagcag tctcaactgg gaagaccag gactcctgct cttttctcta gtccctggga 180
 gacgaggtcc agctaaggta gagtaagcag tcagtacca ggcaggctgg ttggggagg 240
 cactgcctgg agggcgggat cttgtattct tcggaagatg gctgggaaat tcttccctcc 300
 attacgtaga actttcttcc cctcctcagt tgagggtgct agatgtccca caacgggggtc 360
 ttcaactcagg tcttccaaag gcacacgctc aaacagtggg tgctcttcga aatgagtgc 420
 catccagtcg ttagagctca gcacatcggg tatggtatac accagcccc aactcttanc 480
 acgt 484

<210> 1445
 <211> 390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 275, 326, 369
 <223> n = A,T,C or G

<400> 1445
 aaaagaatac tagcagcttt tacctaggct cctaaatgct tgtaaactctg agactgactg 60
 gaccacacca gaccaggggc aaagatacat gttaccatat catctttata aagaattttt 120
 tttttgtcgt cagtttggcc ttctctactg cagccagggtg agagcttaag atgtcagtcc 180
 ccaatatctt cacagagtgc ctttatgacc agtttggaga attacgatgg taaggggaag 240
 aggcagatat gaagaggaat ggtaggggga attgncattc ataactctgt gctatattac 300

09920300-073101

ttgaggggct aagaaaaatg tatggncagt gaaacacagt agtgtaccct taaatgcctt 360
ataaaaganc atccatccag tctgcgcttt 390

<210> 1446
<211> 432
<212> DNA
<213> Homo sapiens

<400> 1446
cctgagcgaa gccacaacc ccgcccgggca catgtgaaag taaacaaaac ctgaaagcaa 60
gcaacaaaac atacactttg tcagagaaga aaaaaatgcc ttaactataa aaagcggaga 120
aatggaaaca tatcactcaa ggggggatgct gtggaaacct ggcttattct tctaaagcca 180
ccagcaaatt gtgcctaagc gaaatatatt ttttaaggaa aataaaaaca ttagttacaa 240
gatttttttt ttcttaatgt agatgaaaat tagcaaggat gctgcctttg gtctctggtt 300
tttttaagct tttttgcata tgttttgtaa gcaacaaatt tttttgtata aaagtcccg 360
gtctctcgct atttctgctg ctgttcctag actgagcatt gcatttcttg atcaaccaga 420
tgattaaacg tt 432

<210> 1447
<211> 416
<212> DNA
<213> Homo sapiens

<400> 1447
ggccaaataa gcgcgggcta tgcccctgta ttggattgcc acacggctca cattgcatgc 60
aagtttgctg agctgaagga aaagattgat cgccgttctg gtaaaaagct ggaagatggc 120
cctaaattct tgaagtctgg tgatgctgcc attgttgata tgggttcctg caagcccatg 180
tgtgttgaga gcttctcaga ctatccacct ttgggtcgct ttgctgttcg tgatatgaga 240
cagacagttg cgggtgggtgt catcaaagca gtggacaaga aggctgctgg agctggcaag 300
gtcaccaagt ctgcccagaa agctcagaag gctaaatgaa tattatccct aatacctgcc 360
acccactct taatcagtgg tggaagaacg gtctcagaac tgtttgtttc aattgg 416

<210> 1448
<211> 429
<212> DNA
<213> Homo sapiens

<400> 1448
cctgtcagag tggcactggt agaagttcca ggaaccctga actgtaaggg ttcttcatca 60
gtgccaacag gatgacatga aatgatgtac tcagaagtgt cctggaatgg ggcccatgag 120
atggttgtct gagagagagc ttcttgctct acattcggcg ggtatggtct tggcctatgc 180
cttatggggg tggccgttgt gggcggtgtg gtccgcctaa aacctgttc ctcaaagatc 240
atgtgttgcc caacactggg ttgctgacca gaagtgccag gaagctgaat accatttcca 300
gtgtcatacc cagggtgggt gacgaaaggg gtcttttgaa ctgtggaagg aacatccaag 360
atctctggtc catgaagatt ggggtgtgga agggttacca gttggggaag ctctgtctgtc 420
tttttcctt 429

<210> 1449
<211> 324
<212> DNA
<213> Homo sapiens

<400> 1449
ctgcaaaaat ctggggaaaa taggatcaaa gttaggggac agttgtagtt ctggtgagag 60

09920300-073104

acggtgaggt cccgagctcc tgggatgaga aaacgaaact ggaataggta gacacagtat 120
 tccttcaagt tgtgctttat gaaaaaaaaa aaaatgatga caaaagaggc cagttacttt 180
 ggtaggtctc cttttgtgca gccaaacagg tctcatccag ttatatattc tgctgaagtc 240
 ttgtttcttt tattataatt aaataaatgt tgtttccacc acaactaagt caggagcatc 300
 atgacatcag ttttcccagg tttt 324

<210> 1450
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 1450
 ccaccatgcc agacctgtac caccttctgg tggagctgaa tgctgtacag tcgcttctcg 60
 cttgctcggg 70

<210> 1451
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 310
 <223> n = A,T,C or G

<400> 1451
 ggccctacct ctttccctgt cccacccct gcataaggca gttgttggtt ttcttcccca 60
 attcttttcc aagtaggttt tgtttaccct actcccaaa tccctgagcc agaagtgggg 120
 tgcttatact cccaaacctt gagtgtccag ctttccctg ttgttttttag tctcttggtc 180
 tgtgcctagt ggcacctggg ctggggagga cactgccccg tctaggtttt tataaatgtc 240
 ttactcaagt tcaaacctcc agcctgtgaa tcaactgtgt ctcttttttg acttggttaag 300
 caagtattan gctttggggg ggggggagggt ctgtaatgtg aaacaacttc ttgtcttttt 360
 ttctccact gttgtaaata acttttaatg g 391

<210> 1452
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 1452
 aaagcggatc tttcctcttt gggccatggg tggatttccct gctcaagcaa ccttcatctc 60
 ttaagctgtg ttgctggaat ctggactttc cattcaagct gggggccatc aatcactcgg 120
 cggtcctctt aatgtcttaa tcatcctgaa atgcctctgc cggccgcatt acgtgcctaa 180
 atccaaatca tgcctcgact ctttccagaa cctctgtcgc ccattgctagc gtccacagac 240
 ctgctccctt gaacacctcc tctgagattc actgtccacg cactgtgctt ttcttggtt 300
 ggtcgggttc tgtgttcacg tacttccctg ctttgcagct tggcactgga gctgagctctg 360
 aaccccagcc ttaccttgaa gtagttacgt agccttgggc aagttactca acctcttcaa 420
 gtctgtttcc tcaactgtca gctccacatg acatcgaaac gcttccctgca gctcatctgg 480
 gacggagtgg 490

<210> 1453
 <211> 334
 <212> DNA
 <213> Homo sapiens

00920300.073401

<400> 1453

```

cgggcgctga ccgtgccga_gctcaccag cagatgtttg atgccaagaa catgatggct 60
gcctgcgacc cccgccatgg ccgtacctg acggttgccg ccgtgttcag gggccgcatg 120
tccatgaagg aggtggatga gcaaagtctt aatgtccaaa acaaaaacag cagctatctt 180
gttgagtga tccccaacaa tgtgaaaacg gctgtctgtg acatcccacc tcgggggcta 240
aaaatgtccg ccaccttcac tggcaacagc acggccatcc aggagctgtt caagcgcac 300
tccgagcagt tcacggccat gttccggcgc aagg 334

```

<210> 1454

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 419

<223> n = A,T,C or G

<400> 1454

```

aaaagacact cctcccaagg actaggaagc ctctgaaatg ggcttggaag tttctaatacc 60
caaagacttc gaaccagga tctggatagc aagcaaaaat atttagatat ttactcagtt 120
gaaaacgtgg ggggtggctt cgtggtctct tcgccagcca aatcgctgg aaaaccacga 180
cctcaatttt tacaacagca cgaagactta caagtgcgc tagcagcgac ttcttgaac 240
ctcaacaat gtgggacgct gcaataatgc ctgagggctt ttgacttaca gttgccgccg 300
gagacctggg gagggggtag tacttgggccc ggtgagtcca acctcaggaa ctgtcctttc 360
aaaatggtga tggatgtaac aagttgcatg tctgggcttt atttcagtg attaattgng 420
cgatctttt 429

```

<210> 1455

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 260

<223> n = A,T,C or G

<400> 1455

```

cctaaaagat cactatcttt cattcagga aatcagaaac tacttctagc aggggggagg 60
aggcaggcag ggaaagtaga aagggcctgg gcagagctgt aatcctcaga acttgtcagc 120
cttcagttcc cccttgtctg aactgagcac tgcccctcag agtcctccca gagccaagac 180
aaaaccaaga cagcaggacc aggagtgcc ctgtctgtcg ggggttgctg agggagaagg 240
ggaaggaggt ggaggtgtan gcagcatcac tgcagaggcg agatcttcaa ggggatcatg 300
atcctagact ccatgtgtcg caccaggggg actgtatagt agacattttc atcccagcct 360
ctcttcctcc aggcagcgtt tcgagtctcc tcccagagact gcagggtctt ataggcccag 420
agatggtgca ccacgtagag ctctcctatc tgtgag 456

```

<210> 1456

<211> 466

<212> DNA

<213> Homo sapiens

09920300 "073104

<400> 1456

```

aaatagctga gcacctactg gaagaattcc tgggctaaat gctgaaaata aaattttaatt 60
tctgcacaga aaataccatt aacttagtag cctttgctta aaggtaggat taattctcca 120
tgaagtcaga atgagacaat aagcagcatt aacttcatag gcacacagaa ctagtgtcct 180
aactgctagc acaaattcca acagagtaca taaggctaag tcactactca agtgtccatt 240
tccatcaaat ttagagactc tccctatgca tctaaggga ggaattatca ctgaatataa 300
atgcctccag gagaaacgga gaattcagtt aagggttaa tagacaaaag ataataagt 360
caagtactag agaaatgttg ctggagataa accataaaat ttgtgacact aacgtggcat 420
ggggtgaatc acataagctg ctagtgttg aacaccagtg tttcaa 466

```

<210> 1457

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 292, 303, 308

<223> n = A,T,C or G

<400> 1457

```

ccaggaggcg agaaggtggc tgttcccga ttgactgctt tttcccggg gcctttggaa 60
gatttggtgg aaggacaaga gggcctgtcc ctgtccccgt cccaggagg tgccgacagt 120
ccctgtgctg gttagacacg gagcgctgca caccgaaagc ccaaattggg agctctgcct 180
gccggcaact ttgctgatgg ggtgattgct gcttctgggg ggtaaggaaa caagttacag 240
aaattaccgc gttctgtgtg aagggaactga aggtgtgggtg tcattggcag anggtcattt 300
tangaganct gccccagccc ctgcgaacgcc tggcttgggg tgtcattctg cctggcgggc 360
agg 363

```

<210> 1458

<211> 233

<212> DNA

<213> Homo sapiens

<400> 1458

```

aaatcactaa aaatatattat tcggatttga aggatttaag tgctaaaaat caatccattt 60
cttgccttcc aataattgtc catgcctgcc ttttgttgtt tacatgctct tctgccaga 120
ctgttagtaa tctagggacc ccttttgag ctgataagta cagttcagcc ttttctctc 180
aaatatataa tgactttaac attcctaaga atataggtat ttctgaatga ttt 233

```

<210> 1459

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 435

<223> n = A,T,C or G

<400> 1459

```

tttttttatt attgtacacc ttgaaggcga ggttaattaa atcctgttgt ggagtttgag 60
ggccggaatt taatttttgg agttttatit aatatcgga gcagattggg taataaaatg 120
tatattgaga ataagacggc cttttgacct tttagggtct agggctgtaa agtgtctcag 180

```

09920300.073404

ggttgctgcc gaacgagcca tgaactgggc tgggttttta tttttgatga aaaagagcct 240
 aaacgcttct gatttgggat aaagaaaaag gagcattaac cttgactatg tcttttagctc 300
 cagccacctt ttttaagagta aattgctggg caggtggggg agggctagtc acagaacgaa 360
 actgtaagcc agaccgggtg tgaggagggg aggtgataaa aagattatag ggtggaggag 420
 cggaggctga ggaanaattg ggacctagct cggcct 456

<210> 1460

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1460

ccaaaatatt ttataacttg tccatacaga gttttgatga tggagactat tttcctgtgt 60
 ggggcacatg ccttggattt gaagagcttt cactgctgat tagtggagag tgcttattaa 120
 ttgccacaga tactgttgac gtggcaatgc cgctgaactt cactggaggc caattgcaca 180
 gcagaatggt ccagaatttt cctactgagt tgttgctgtc attagcagta gaacctctga 240
 ctgccaattt ccataagtgg agcctctccg tgaagaattt tacaatgaat gaaaagttaa 300
 agaagttttt caatgtctta actacaaata cagatggcaa gattgagttt atttcaacaa 360
 tggaaaggata taagtatcca gtatatggtg tccagtggca tccagagaaa gcaccttatg 420
 agtgggaagaa tttggatggc atttcccatg cacctaagtc tgtgaaaacc gcattttatt 480
 tagcagagtt ttttgtaaat gaagctcgga aaaacaacca tcattttacc tgc 533

<210> 1461

<211> 553

<212> DNA

<213> Homo sapiens

<400> 1461

aaaaacaagg aagaacctag gaaagtccgc tttgattatg acttattcct gcattcttgaa 60
 ggccatccac cagtgaatca cctccgctgt gaaaagctaa ctttcaacaa cccacagag 120
 gacttttagga gaaagttgct gaaggcagga ggggacccta ataggagtat tcataccagc 180
 agcagcagca gcagcagcag tagcagcagc agcagcagca gcagcagcag cagtgcagc 240
 agcagcagca gcagcagcag cagcagtagc agcagcagta gcagcagcag cagcagcagt 300
 agtaccagtt tttcaaagcc tcacaaatta atgaaggagc acaaggaaaa accttctaaa 360
 gactccagag aacataaaag tgctttcaaa gaaccttcca gggatcacia caaatcttcc 420
 aaagaatcct ctaagaaacc caaagaaaat aaaccactga aagaagagaa aatagttcct 480
 aagatggcct tcaaggaacc taaacccatg tcaaaagagc caaaaccaga tagtaactta 540
 ctcaccatca cca 553

<210> 1462

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1462

ctgccaagga gacctgttta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
 ttcccaccct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
 atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
 agcatgatct tcaccttgat gccagcaca ccctgtctga gcaacacgtg gcgcacagca 240
 gtgtcaacgt agtagttaac aggggtctccg ctgtggatca tcaggccatc cacaaacttc 300
 atggatttag ccctctgtcc tcggagtttc ccagacacca caacctcgca gcctttggcc 360
 ccactctcca tgatg 375

<210> 1463

<211> 472
 <212> DNA
 <213> Homo sapiens

<400> 1463
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggta tggagagata atgggcgatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgtcgtatag 240
 aatgattggg gatggcctgg atacggtttt ggatgatttg agaaagctaaa tgggaagatac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
 ttacttcaag agttaagagt ggcagttttg ggatagcacc aggagatatc ag 472

<210> 1464
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 232
 <223> n = A,T,C or G

<400> 1464
 ccacttcctc aggactaagc agcaaaacct aaaggtctgc ctgcccagac cacactacac 60
 atttgggctc aggcaacgct cctgacactt taacctcatt ccaaagtcag ctcaggctctg 120
 caggaaggca ggcaaaattc cctacacctc atttctggat ttctgcacca cacagctctc 180
 actgtttctg ccaatggtga aaagaccacc aataagctgc tgcccttctc tncccaacc 240
 attcccaact ttcaggccaa agagccgcag gagtttcatt ctgtcctgtc tgtacagatc 300
 attattttcc agaaaaagtg acccatgaag ttggctgggg cggtgtgga gtgttatgtc 360
 atgggacgga ccttgggatg agggcggtta tccatgggcc cctctgagat cacttt 416

<210> 1465
 <211> 599
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 499, 548, 590
 <223> n = A,T,C or G

<400> 1465
 ccatggtctt caccatga attctccact ctccattttg tgaaagcacc atcctgatca 60
 tccttctctg agacagcagt gaaggtcatg gcgtgggtca taagtgactc accaaaagtc 120
 agcctctccg ctttattcat gttcttcaag gagacaccaa acactaactc atgggtcatag 180
 agattcatgt cactgaggcc cagcttgcta ttgaagtgtt ttccaacatc acagccaaac 240
 cacacagcct ctccatcttt gatggaggca gcaaccatct ttttcaggaa gtcaatgggc 300
 tgggtgttgt atagagtttt tctccctcca accatattgc ttaagtattc cactgtgtaa 360
 agtttggtgt acttggtgctg gggcctaggg tcattcacta aacaaatctt atcttccata 420
 ttgaagagtg gcttgacatg ttccctgtaa aactccaagg gtgttatggg gcccattttc 480
 tgataatttt tatctttgnc tcgatattcc caggtgaatg tctctgggtg attacccaaa 540
 cagatgcnca ccactcgga tatctcctcc atcatgacgt cctgtgtggn cgagaattc 599

<210> 1466
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 1466
 cctaaaagca aactccacag ccaaacccttt cctcctgtct gtcctacaca ccaggaagaa 60
 tcgaaaaagg gaattttcct ttacatagct caagttaaag actttttcat gaaaaagtct 120
 agatcatctc tctactgtga tttggtacat ttctaacgtt tatttttatt ttttaactta 180
 atttttgtgg atacatagta ggcgtacata tttctgtggg acatgagatg ttttaataca 240
 ggtgtgaaac atgtaacaat cacgtcatct aaaatggggg acccatcccc tcatgcactg 300
 atcttttgtg ttatacaagc aatccaatta tactctttta gttattttt 349

<210> 1467
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 1467
 gctggctcag ggaagtgtct tcttgccac atttctgtgg ggaaagggtt ttaatcctct 60
 gatgcttcca tcttcctgtt taggccatgt gccagaaac ctggactgat ctttctttta 120
 tagtgaaccc ctggggccact gaagagtaac atggctccac tggacacaaa agaggggatgg 180
 aatcaacagg cagggggcct ttataagcc ttaggaaaag aaaatgaaac tatttcatct 240
 ttggactttt caatactatt ggagtgatth ttttctttct aaacagggaa aataatgtta 300
 caaaagcatc ttttttgtaa tttgtttgca tccctccccc acaccctggg gtttt 355

<210> 1468
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 1468
 cctttacttt attcagtga agtgtctatt tagactaaga ggtatttttag tttcctgact 60
 cgggacatgt tgagtaaagg taatttgcca gtcctgggtg gggcaaacc tccagcctga 120
 tgtgtaggga agggaggggg cctgaataat ccctgaggag tagtagaata gcagatggaa 180
 cactgagaag ttatttcctt gaggatagat ttccacgatg gaaaggaaat gagaggttct 240
 gagaggcggg ctagtggtt g 261

<210> 1469
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 1469
 cctacagact tattttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
 ggtgtgctgg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaat 120
 cttcttcagt cgctccaggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
 gctgtatttt ccaccttta catccttctg tctgttcaag aaccagtctg ggatccttga 240
 ctggcgtaga ttctgcataa tgggtgatcac acgttccacc tcatcctcag tgagttctcc 300
 cgccctcttg gtgagggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
 cacaccctta atggcagtga tggcaaaggc tattttccgc cgcccatcga tgttgggtgtt 420
 gacctgcc 428

<210> 1470
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 1470
 ctgccttata caccgggagc ttgtgattcc tggcctggcg aagaatgggtg ttccggcgca 60
 tgggtctttgc atatggggtt agcttcaaca tgattctcaa gtttttcagt gggttcttct 120
 ttaggactct gcgatggatc ttcttgctgt gtgctcgaag ggctctttgg atctctgggc 180
 ttttcaagat tctgctaaga tctgtattaa tcatcttgtg catgggaaga ttgtagttac 240
 tcttgaggga agcggcttta cgccaagtgc cgtacaattc atctaacttc cggaaagcac 300
 tttcagtcca aatgcagaaa cgtcc 325

<210> 1471
 <211> 531
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 485
 <223> n = A,T,C or G

<400> 1471
 ctgggccaag taggagaggg aagaggtgat atgagcctcc tctgtgctct gacagagaaa 60
 tgtccaattc cagatcaaag gcatcattgc caccctctcc tctccttcct caaagaaaac 120
 tttctggcct ggagggaaat agttaagaac tgaaaggcca ggggctctgg aggaaaaaaa 180
 ccctctacta ttccacaag gcagtgaggg gtgataagggt tgctagtcac agccctgaca 240
 gcttcagaaa gggtagccac attacctctg ggtagccag catccagagc cccaaggagc 300
 ctactctctc cgatatata ttcttgcaat ggactgacct ttttagccac ttgtctctgg 360
 tgggtgggaga gcactctgaa ccagaaacca acaagggaat cacttcccac ccaacttaag 420
 agtgtatgca cacatgtgga tacacatgca cctccccact actcacacag accccaaccc 480
 ccttnatgtc ttttgagggg ggctcaaact actgggtgcct ggggacacaa g 531

<210> 1472
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 1472
 ccagggttta gatattaacc tggctgcaga gccaaaagtg aaccgaggaa aagcaggtgt 60
 gaaacgatct gcagcggaga tgtacggctc ctcttttgac ttggactatg actttcaacg 120
 ggactattat gataggatgt acagttaccc agcacgtgta cctcctcctc ctctatttgc 180
 tggggtgta gtgccctcga aacgtcagcg tgtatcagga aacacttcac gaaggggcaa 240
 aagtggcttc aattctaaga gtggacagcg gggatcttcc aagtctggaa agttgaaagg 300
 agatgacctt caggccatta agaaggagct gaccagata aaacaaaaag tggattctct 360
 cctggaaaac ctggaaaaaa ttgaaaagga acagagcaaa caagcagtag agatgaagaa 420
 tgataagtca gaagaggagc agagcagcag ctccgtgaag aaagatgaga ctaatgtgaa 480
 gatggagtct gaggggggtg cagatgactc tgctgaggag ggggacctac tggatgatga 540
 tgataatgaa gatcgggggg atgacc 566

<210> 1473
 <211> 357
 <212> DNA

09920300-073101

<213> Homo sapiens

<400> 1473

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ctgggaacaa ctttcttcaa actacctggt ggtgaactta acccaggaga agatgaagtt 60
gaaggactaa aacgcttaat gacagagata ctgggtcgtc aggatggagt ttgcaagac 120
tgggtcattg acgattgcat tggtaactgg tggagaccaa attttgaacc tcctcagtat 180
ccatatattc ctgcacatat tacaaagcct aaggaacata agaagttggt tctgggttcag 240
cttcaagaaa aagccttggt tgcagtcctt aaaaattaca agctggtagc tgcaccattg 300
tttgaattgt atgacaatgc accaggatat ggacccatca tttctagtct ccctcag 357
```

<210> 1474

<211> 374

<212> DNA

<213> Homo sapiens

<400> 1474

```
ccacaaatgg cgtgggtccat gtcataacca atgttctgca gcctccagcc aacagacctc 60
aggaaagagg ggatgaactt gcagactctg cgcttgagat cttcaaacia gcatcagcgt 120
tttccagggc ttcccagagg tctgtgcgac tagccctgt ctatcaaaag ttattagaga 180
ggatgaagca ttagcttgaa gcactacaga aggaatgcac cacggcagct ctccgccaat 240
ttctctcaga tttccacaga gactgtttga atgttttcaa aaccaagtat cacactttta 300
tgtacatggg ccgcaccata atgagatgtg agccttgtag atgtggggga ggagggagaa 360
aagatgtact tttt 374
```

<210> 1475

<211> 261

<212> DNA

<213> Homo sapiens

<400> 1475

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aaatattgtg aaaacattac agcggaatga attttcgcag tggttaggctc aaatgcagtt 60
acatcatatg aacagtatgt ttgcacaat ttaaggcttt ggctggttct ttagtcagct 120
tcttctctg attcttcttc ttccagcagtt tctaaccagg ttagccactg attcacctgg 180
aacaaagcct tgccttttcc cggaaactct tgggttatat cttctttcca agccaagaaa 240
gcttcttctt caataatttc c 261
```

<210> 1476

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 280, 328

<223> n = A,T,C or G

<400> 1476

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ccaccaatgg tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta 60
catacttccc ccattattcc tagaaccagg cgacctgcga ctcttgacg ttgacaatcg 120
agtagtactc ccgattgaag ccccatctcg tataataatt acatcacaag acgtcttgca 180
ctcatgagct gtccccacat taggcttaaa aacagatgca attcccggac gtctaaacca 240
aaccactttc accgctacac gaccgggggt atactacggn caatgctctg aaatctgtgg 300
agcaaacac agtttcatgc ccacgttctt agaattaatt cccctaaaaa tcaaaaaaaa 360
aaaaaaaaa aaaaaaaaaa ctaccttggc 390
```

<210> 1477
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 1477
 aaaaaaccaa tagcagccaa aacagaacat ttgtaaacaa aaccacaact atcagccctg 60
 tgcttaaaca cagaatctgc attcttttga aacattaagt atatgcaata aagagaatat 120
 agaccatctt tttccttaat atacaatacc caatatctaa aacaatgtca ccaataatag 180
 acacaaatcg gtgttatcat aaggcatgtt gaacagtctt tttcacagta ctcaggggca 240
 tcatgttgct gcagaggcca cactttccag aagttttctc ctcgctgcga tcctcgca 300
 ccgggggcac tcggaggact ggaagcactg tttgtgaaag caagccctgc acgctgaaca 360
 tcttctacat gttgctgtct gaaat 385

<210> 1478
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 350
 <223> n = A,T,C or G

<400> 1478
 aaaaattaat taaagagaaa gagaaaagca acattttaat gccccaggaa ttgaaactaa 60
 cgttttctgt ctcggttgga cccctacgcc catcttttaa acctatataat ggaaaaggaa 120
 atttcaatgc cagatttgat aaaagaatgt gatgtatatg tagctgatga cccactgggg 180
 aacaccagtg ttccagttca cttaccacat ctgtgacagt gtgttttagat tggaataaat 240
 gtgatgcatt acttcttatg tttttatcag tgacatgggt gactgtgccc taattctctt 300
 gaggttgcag taagcaatga aggttatctc ctaataggga agcaaaaggn gattgtcaat 360
 tgatagttta atgtttgacc acattagtgt ctttatatga aatagtagag gggaagaaat 420
 tatagaaaac aaatgtgaaa aaaatacacc agtgggtatc tgttctacta aaaccagaag 480
 attgttatga g 491

<210> 1479
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 1479
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaagggt ggatagtctg agaagctctc agcacacatg 240
 ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
 tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
 gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tgggttcagga taatcacctg agcagtgaag ccag 454

<210> 1480
 <211> 283
 <212> DNA

09920300.073404

<213> Homo sapiens

<400> 1480

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ggcgctgggg aagctgaagc agttcgatgc ctaccccaag actttggagg acttccgggt 60
caagacctgc gggggcgcca ccgtgaccat tgtcagtggc cttctcatgc tgctactgtt 120
cctgtccgag ctgcagtatt acctcaccac ggagggtgcat cctgagctct acgtggacaa 180
gtcgcgggga gataaactga agatcaacat cgatgtactt tttccgcaca tgccttgtgc 240
ctatctgagt attgatgcca tggatgtggc cggagaacag cag 283
```

<210> 1481

<211> 530

<212> DNA

<213> Homo sapiens

<400> 1481

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aaatttgatg tgaaggaagt atcttaggag aagctaaaaa atacataaat gaacgaagac 60
tggaagaatc ttcaagatgt taaaaactca tataaccaca gaaataaaaa ctccaattgt 120
taaagtcata gtaaagagaa ggaagcaaat cataataggt caaaatataa agataaaatg 180
accactgaaa ggataataaa gattgtgaaa atcaggacac tctcaaacag aaacaaaaag 240
cggaagagag atgaaagcaa gagcaaagta agacacaatt tgtacgatca acagaactgg 300
cactagggtc aagagcagct tcactttgca gaattcatca atttgaagaa cttctgtgat 360
cttttgtgat ggctgtttac aatgaacagt agtttcatct atctctgttc cactaaaaac 420
cactgctttt tccaatatcg tgatcacagt aatgtttaca aagaatcaaa cagaacataa 480
gaaggactaa agatacttct gaaacagata ttaaaaaata ataatgatgg 530
```

<210> 1482

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 393, 402

<223> n = A,T,C or G

<400> 1482

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ctgccaaagga gaccctgtta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
ttcccaccct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
agcatgatct tcaccttgat gccagcaca ccctgtctga gcaacacgtg gcgcacagca 240
gtgtcaacgt agtagttaac agggctctccg ctgtggatca tcaggtcac cacaaacttc 300
atggatttag ccctctgtcc tcggagtttc ccagacacca caacctcgca gcctttggcc 360
ccactctcca tgatgaaccg cagcacacca tancaggccc tncgcacagc aagccctcct 420
```

<210> 1483

<211> 233

<212> DNA

<213> Homo sapiens

<400> 1483

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ccatggaagg cgaatttggg tttgaaattc ctgatataga tgctgaaaag ttaatgtgtc 60
cacaagaaat tgtagattac attgcagata agaaggatgt atatgaataa agtatcagac 120
cctttggctt tgctgagaga ggactcagat gatagtgcg aatgtctggc ggtgaggaca 180
```

catttttgga ttcttgctga ctctgacaga gtgattctga tggacttgta ttt 233

<210> 1484

<211> 396

<212> DNA

<213> Homo sapiens

<400> 1484

cgcggtgcga cgaaggagta ggtggtggga tctcaccgtg ggtccgatta gccttttctc 60
tgccttgctt gcttgagctt cagcggaatt cgaaatggct ggcggttaagg ccggaagga 120
ctccggaaag gccaaagaca aggcgggttt ccgctcgag agagccggct tgcagttccc 180
agtgggccgt attcatcgac acctaaaatc taggacgacc agtcatggac gtgtgggcgc 240
gactgccgt gtgtacagcg cagccatcct ggagtacct accgcagagg tacttgaact 300
ggcaggaaat gcatcaaaag acttaaagg aaagcgtatt acccctcgtc acttgcaact 360
tgctattcgt ggagatgaag aattggattc tctcat 396

<210> 1485

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 461

<223> n = A,T,C or G

<400> 1485

aaaagtactt attttgtcac agcagccaag acactaaca ccacctaaat gtccaggaca 60
gttgaatgga taaaataaat gtggtaatat acatacaacc aaatattatg tatccttaaa 120
aaaaatcctg tcatatacta caacatggat gaatcttgag gacattacac taagtgaat 180
aagccagtca cagaaggaca aatattgcat gaatccacta atatcagggtg tctaaaacag 240
taaaactcat caaatcagaa agtaaaatgg tggttaccag gggtcagagg gagacgaaa 300
ttgggaggtg ctgttcaatg ggtataatt tagtcatgca agatgaaaag ttctagagat 360
ctgctatata acaatgtaca gacagttaac aatactatat tgtaccctta aacatttgtg 420
gaagaaggta ggtctcacgt taagtgtttt ttaccacaat naaaaaatat acagtcattg 480
atacataaag agaaatgagc tgttgggcaa ttttgttgtt atacaaacat gatagtgtac 540
ttacac 546

<210> 1486

<211> 178

<212> DNA

<213> Homo sapiens

<400> 1486

aaaatccaga acttggactc catcggttaa attatttatg tgtaacattc aaatgtgtgc 60
attaaatatg ctccacagt aaaatctgaa aaactgattt gtgattgaaa gctgcctttc 120
tatttacttg agtcttgtac atacatactt ttttatgagc tatgaaataa aacatttt 178

<210> 1487

<211> 498

<212> DNA

<213> Homo sapiens

<220>

09920300.03401

<221> misc_feature
 <222> 210, 333, 486
 <223> n = A,T,C or G

<400> 1487

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ccaacatggt aaaatcctgt ctctactaaa aatacaaaaa aattagccgg atgtgggtggc 60
gtgtgcctgt agtcccagct actcgggagg ctgaggcagg agaattgctt gaacccggga 120
ggcagagggt gcagtgagcc gagatcacgc cactgcactc cagcctgggtg acagagcaag 180
actccatctc aaaaaaaaaa aaaaaaaaaa gaaaagaaaa aattaattgt aagagattct 240
atgcgtaaac atattggcta aagttaaaat ggcattactg agttttttcc ataaattgga 300
cattggaata aaatcacacac agagttttct tanaacattg ttctgctctg agaaaaactc 360
tgtaaagggt tacaaaatgt ttataaaaaat cttaccttat ggtcaaacta attaaaacaa 420
tagatttata aaatatttaa agctagcttt aacattaaaa atatgcaaat ggaaacataa 480
aatttngttt tctctttt
```

<210> 1488

<211> 355
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 266
 <223> n = A,T,C or G

<400> 1488

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aaaataaaaag gagggctaata gtttcatggt gctttatata tcctttctct caatacagaa 60
ccaggaatgt aatttttcta actcaggcag gcaactgata tgatggacac tgcgcgtgca 120
cacacacaca cacacatata cacacacaca cacacacaca cccccctcc ccccaaacaa 180
caaaattcag agtatgtcaa aggaaaaaagg tttgttattg tattgatcaa aaccacagtgg 240
aatcaacacc atctatctta gcttancagg tatgctggtt tgatcttgag tctatattaa 300
tggaatctat tggtgcattc tgaaataaag aattttggat ataccattat gtttt 355
```

<210> 1489

<211> 234
 <212> DNA
 <213> Homo sapiens

<400> 1489

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ccagcgacct cccggttcaa ttcttcagtc cggctgggtga accaggcttc agcatccttc 60
cggttctgct cggccatgac ctcatattgg cttcgcatgt cactcaggat cttggcgaga 120
tcggtgcccg gagecgaatc cacctccaca ctgacctggc ctcccacttg gccctcagc 180
gtactgattt cctcctcatg gttctttctt aggtaggcca gctcttcctt cagg 234
```

<210> 1490

<211> 423
 <212> DNA
 <213> Homo sapiens

<400> 1490

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ccatgtgtgc gccagtgaa aagtttctga acatgggtgc acccctggga gtgggcctgg 60
gtctcgtctt tgtgtcctca ttgggatcta tgtttcttcc acctaccacc gtggctgggtg 120
ccactcttta ctacgtggca atgtacggtg gattagttct ttccagcatg ttcttctgt 180
atgataccca gaaagtaatc aagcgtgcag aagtatcacc aatgtatgga gttcaaaaat 240
```

09520300-073104

atgatcccat taactcgatg ctgagtatct acatggatac attaaatata tttatgcgag 300
 ttgcaactat gctggcaact ggaggcaaca gaaagaaatg aagtgactca gcttctggct 360
 tctctgctac atcaaataatc ttgttttaatg gggcagatat gcattaaata gtttgtacaa 420
 gca 423

<210> 1491
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 430, 443
 <223> n = A,T,C or G

<400> 1491
 ttcacttggtg tgcggaactc ctcggaacca tggcgtccct ttcccttgca cctgttaaca 60
 tctttaaggc aggagctgat gaagagagag cagagacagc tcgtctgact tcttttattg 120
 gtgccatcgc cattggagac ttggtaaaga gcaccttggg acccaaaggc atggacaaaa 180
 ttcttctaag cagtggacga gatgcctctc ttatggtaac caatgatggt gccactattc 240
 taaaaaacat tgggtgttgac aatccagcag cttaaagtttt agttgatatg tcaagggttc 300
 aagatgatga agttggtgat ggcactacct ctgttaccgt tttagcagca gaattattaa 360
 gggaagcaga atctttaatt gcaaaaagat tcatccacag accatcatag cgggttggag 420
 agaagccacn aaggctgcaa ganaggcgct gttgagttct gcagttgatc a 471

<210> 1492
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 1492
 ctggtcagga actctgggag gaaggcggca aagaagccat caaagtcgac tgaggccatg 60
 ttgtagatgg cgatgccaat ctctctctgc agaagatcat gggacttggt gaccaggacc 120
 tggagcagca cgttcacaaa ctggaacagc atggcagtc ggaagatctt cttgtggtac 180
 agcttctgct tgggtgttgag agtctccaag tagaagagat tttgttt 227

<210> 1493
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 1493
 ctgccaagga gaccctgtta tgcgtgtggg actggctggg gcatggcagg cggctctggc 60
 ttcccaccct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
 atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
 agcatgatct tcaccttgat gccacagcaca ccctgtctga gcaacacgtg gcgcacagca 240
 gtgtcgacgt agtagttaac agggctctccg ctgtggatca tcaggccatc cacaaacttc 300
 atggatttag cctctgtcc tcggagtttc ccagacacca caacctcgca gcctttggcc 360
 ccactctcca tgatgaaccg cagcacacca tagcaggccc tccgcacagt aagccctcct 420
 aggagtttgt aacgcagaga ctctgcctgg gcaatggcac acagacctct agtgg 475

<210> 1494
 <211> 480
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 400

<223> n = A,T,C or G

<400> 1494

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aaacagagaa tatatatattt aatacatcgt ttaagtttat gattaattat ctattactga 60
ggataagaat ctttgccctgt gctcattcag catttgcaact tcatttatga tctgccttct 120
catagcttct gttaattttt atactagaga cattttatttg tttgtataaa tgttgaagggt 180
ttttttttgt tgttggtgtt tttgagtcag agcctcgctc tgtcaccag gctggagtgc 240
agtggcatga tctcggtcca ctgcagcctc catctcctgg gttaaagtga ttctcctgcc 300
tcagcctcca gagtagctgg gactacaggc atgtgccacc aagcaaggct aatattttgt 360
atttttagta gagatggggg ttcgtcctgt tagccagggn ggtctcgatc tctgacctc 420
atgatctacc tgcctcgggc tcccaaagtg ctaggattac aggtgtgagc caccgtgccc 480

```

<210> 1495

<211> 497

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 304

<223> n = A,T,C or G

<400> 1495

```

cctttagtta ttttgtctct tgttgctgga gcccatccac tgtctgacat catagccatg 60
ggcaagagga tattgccttg gctctgtctg agtgctggat tgtgaccggc cataagtagc 120
ctttgcaaag gaagctaatt gacagtgcct gaattaaggg tgcttaccct atcctagaaa 180
gcgttaaaagt caaagcggaa aatatacatg gtacccaaaa tcaaggagac tgccagagac 240
cagcagggga tctaagggat ttaccactgg gttagcacag aactacact tgaagatttc 300
ctancggctg ctgctgctgt ttccatgata agaattcagt gagacaaaga acctgccaaag 360
ctcattaacc gagtagcagg aagagctact gtgtagcctc tgggtgttccc caactgactc 420
agccctgcag atgggacatc ctgtagggtca tgtgaatatc aagttactga gggatgttct 480
caggacaagc ctagcat 497

```

<210> 1496

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1496

```

gcttccattc tgggtggcaac cgggggtcgtg gtcggggagg aaaaagagga aaccagtcgg 60
ggaagaatgt gatggtggag ccgcacggc atgaggggtgt cttcatttgt cgaggaaagg 120
aagatgcact ggtcaccaag aacctgggtc ctgggggaatc agtttatgga gagaagagag 180
tctcgatttc ggaaggagat gacaaaattg agtaccgagc ctggaacccc ttccgctcca 240
agctagcagc agcaatcctg ggtgggtgtgg accagatcca catcaaaccg ggggctaagg 300
ttctctacct cggggctgcc tcgggcacca cgggtctcca tgtctctgac atcgttgggtc 360
cggatggtct agtctatgca gtcgagttct cccaccgctc tggccgtgac ctcatctaact 420
tgg 423

```


<400> 1497

<210> 1498

<400> 1498

<210> 1499

<220>

<400> 1499

<210> 1500

<400> 1500

aaaatccttc agaatacatt tatgaaccaa tgcgactgga cttagccaca cacaatggaa 60
 attcagacct tgactatttg gtgtttccag ttcacaaagg tgatgaagac tgtcttggga 120

gcagcttaat cccaaaattt gtacatttct tgctgctcct ggcggtggaaa cttaagtgag 180
 accaccaaat acatttggtcc tgtccaattc tactgaatgg ggggtggacct ggcattttatc 240
 tgg 243

<210> 1501

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 492

<223> n = A,T,C or G

<400> 1501

ccacatcaaa agaatcactg ataatgacat ccagtcacctg gtgctagaga ttgaagggac 60
 aaatgtaagc accacatata tcacatgccc tgcagacccc aagaagacgc tgggaattaa 120
 acttcctttc cttgtcatga ttatcaaaaa cctgaagaag tattttacct tcgaagtgc 180
 ggtactagat gacaagaatg tgcgtcgtcg ctttcgggca agtaactacc agagcaccac 240
 ccgggtcaaa cccctcatct gcaccatgcc catgcggctg gatgacggct ggaaccagat 300
 tcagttcaac ttgccagact tcacacggcg agcatacggc accaattaca tcgagaccct 360
 cagagtgcag atccatgcaa attgtcgcat ccgacgggtt tacttctcag acagactcta 420
 ctgagaagat gagctgccgg cagagttcaa actgtatctc ccagttcaga acaaggcaaa 480
 gcaataactg gnattgtgac tcgagggata gacccccctgg atgtgactct tcttttt 537

<210> 1502

<211> 176

<212> DNA

<213> Homo sapiens

<400> 1502

ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
 tatgtatgtg gaatccagaa ctcagtgagt gcaaacgcga gtgacccagt caccctggat 120
 gtccctctatg ggccggacac ccccatcatt tccccccag actcgtctta cctttc 176

<210> 1503

<211> 455

<212> DNA

<213> Homo sapiens

<400> 1503

ctgtcaaagc catcatatat cagtatatgg aagaggtggg tttttattta actacttga 60
 taattttag ctacttttat gatgtagtaa tgcactgtt taaccagggt tggaattag 120
 atgatactaa caattcacta tcctgtggcc taaagagaca ggaattgata tcctttataa 180
 ggaaaaaagt ctattcacag gagccgagca gattgctcac tgctgtgtag taccctgggtg 240
 agaggagata aatggagcaa ggctgtagggt tggagcccct cagtagaatc atagattttg 300
 agctgcaaga tgatgcagga ggccaaccaa gcttcttgtt gctgggtgagg aatgtgaggt 360
 tgaagcttgt ctgtgctgat gcagtgctg attgagtga tctctggctc ccgtccatgt 420
 gtccctgacac ccagtcctgt actttcatta tgcca 455

<210> 1504

<211> 266

<212> DNA

<213> Homo sapiens

0920300-073101

<400> 1504

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ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat cagggttcgtc 120
ctttagtgtt gtgtatgggt atcatttggt ttgaggttag ttgattagt cattgttggg 180
tggtgattag tcggttggtg atgagatatt tggaggtggg gatcaataga gggggaaata 240
gaatgatcag tactgcggcg ggtagg 266
```

<210> 1505

<211> 195

<212> DNA

<213> Homo sapiens

<400> 1505

```
ccagtttacc ctgaaaattc ccgtgagaag ggagatggcg gtagcagcga cgtgcccacc 60
tgtgatttct ggggcccttc ttttctcttt gctgggttcag ggactcaagt ccaggccaat 120
ttgactcaaa gtccaaggga gaagagaaaag aggggggtgg ggagtgccaa attcctttat 180
tttgccaatt gtttc 195
```

<210> 1506

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 383, 385, 409, 411, 421, 447, 458

<223> n = A,T,C or G

<400> 1506

```
aaaatattaa cagtcaggca gggcgcggtg gctcatgccg taatctcagc cactgaggag 60
gctgcggcag gagaattgct tgaaccacag aggtggagggt tgcaagtgagc caaaattgca 120
ccactgcact ccagcctggg cgacagagca agactctgtt tcaaaaaaaaa aaaaaagatt 180
taagatggta aattcgatgt tatgttcttt accacaatat ttttctttaa ggataactaa 240
aaaaatcaga gttataaagc tatccaaaaa ttaccttcaa atcacaaaat tgtttcacat 300
agagaaaata caaattcatc aacaaacaca cagtaaaact aagattatnt tcctgactac 360
tcacctgaca agataaaaaa acntnaaaga tcagcccaga aaaaatatnt nagataagct 420
ntgaacaaag ttgggggtcat atttatngac aacatgcnc a ttcatatgtg 470
```

<210> 1507

<211> 398

<212> DNA

<213> Homo sapiens

<400> 1507

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ctgctggagt cggaactgct gcctttgttt ggcggccttg tttctttaat cagttccctc 60
ttaggattta ttactactaa aaaaaaatta gtttttgaaa agaaatagga gaatacagaa 120
acatgaattt cagcaggcta tcatctaaca gtggggggtt tctacacacg tggtgccaaa 180
aatgtgtcat tctgagtcaa ttgcaattcc tctctaggag tgaaaagaga taaaagataa 240
gccaagaacc ctggacagat tcttggtgtt ggtgacaaag aggaaaggac ctgagaatgg 300
ggctggtggg gagagggggg gtgtctgtcg gataccagga ggacaaggac cactcccacc 360
tgcaggggtg cccaggacct agttgggctc ggcctcag 398
```

<210> 1508

0920300.073404

<211> 483
 <212> DNA
 <213> Homo sapiens

<400> 1508
 aaaaaggaaa aactaaaagg gactgcctgc tttttttact gtaaacacag ccctggatat 60
 taaatcccaa acaggaatct ctcaggcatc agagagtgtc aagtgagtca ggaataacac 120
 aaaataaagg aatgggggag aaaataaaaa aaaaacaaag caaaattaaa ataaatgtca 180
 gtcactttga ggaactatac ttacgtatat gatgttatga gaatctggca gggcctagaa 240
 gcaggccaaa caggaagtgc atttatccaa ccgaagagga tcatgttcat tgcttccggt 300
 tttgaggaca ggatattgta gggaacttga tatgatcaat aacgcttgct tgccttacac 360
 agaccttagc cagggatcag cctaattctg aagaatcatt caaataattt tggcaattat 420
 tataaggact tagaactgac tgcacccagt gttcagtgat tcttgccttc tgttttgtta 480
 ctg 483

<210> 1509
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 1509
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg 200

<210> 1510
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 1510
 ctgtggcctc tgccacccca tgggtgccag tcttaagttt cagagcatca ctggtactca 60
 ccctggctct gcagctcctg ggcccagaga caggatttcg tgttagcctc ctcgtactgt 120
 gctggggtga tgataaaact aacaaccacg gctggacgca gtggctcaca cccgaaatcc 180
 caacattttg ggaggccgag gtgggtggat caactgaggt caggagtctg agaccagcct 240
 gg 242

<210> 1511
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 455
 <223> n = A,T,C or G

<400> 1511
 gagatcatct gctccagaac caaccaggag ctgcaggaaa ttaacagagt ctacaaggaa 60
 atgtacaaga ctgatctgga gaaggacatt atttcggaca catctggcga cttccgcaag 120
 ctgatggttg ccctggcaaa gggtagaaga gcagaggatg gctctgtcat tgattatgaa 180
 ctgattgacc aagatgctcg ggatctctat gacgctggag tgaagaggaa aggaactgat 240
 gttcccaagt ggatcagcat catgaccgag cggagcgtgc cccacctcca gaaagtattt 300

09520300.073101

gataggtaca agagttacag cccttatgac atgttggaag gcatcaggaa agaggttaaa 360
 ggagacccgg aaaatgcttt cctgaacctg gttcagtgca ttcagaacaa gccctgtat 420
 tttgctgac ggctgtatga ctccatgaag ggcangggga cgcgagataa ggtcctgac 480
 agaatcatgg tctcccgcag t 501

<210> 1512

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 525

<223> n = A,T,C or G

<400> 1512

aaatgaccca aaactattaa taggtatatt aagcaataat tattaataaac agaagtgcta 60
 catcacctgt ctttcgccct gactctccaa atgaacataa agacacacca aaaggctggg 120
 aacagagcta gctgggacaa tcaatgcac tatagaacag ccaatacctt gaaaaactag 180
 gcacaagtac atgaggaatt cttatcaaag atcatgcaca atccatgcca cttaaatggg 240
 ttttagctga ggttttgctc atgttactct gaatttctaa ggacagatca gtgacctct 300
 tagcctgagc agaaagcata ttcttcccac tgcagtttcc tacacaattt agtcctgatt 360
 agatgaggca ttatagcagc acctgaagta gagcctccag aatccactgc ctttttcac 420
 aaaggctatt tggttccacc ctccaggattg gcatactcac gagacatttc acaatcctaa 480
 tgcatacttt aggttactta attaaccaag caatatgctc tgtcnaagaa cttatttcaa 540
 gtcaaagcaa aaaagg 556

<210> 1513

<211> 290

<212> DNA

<213> Homo sapiens

<400> 1513

ccagtgcaga aacgttttaaat agaaataaaa aggtctgcat agagccgagg ctccgagcca 60
 cccctctgcc gcacatccag tacagagagg attctataaa gttcacactt tttcattaag 120
 tagtagtaga aatacggtag ggccttgaga ctggcctggg gagcaggagg aggccgctgg 180
 gcgcttccac tctgcaggcc ggggctgaaa taacccgagt tccgttctca cagaaagggtg 240
 cggctgccac ctcttgacac agaggccgga tgggcagggtg tctcagatgg 290

<210> 1514

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1514

ctgtggggag aggcgcctc ctctgatggg gtctcgatgc tgctgctctg ttcctgggtct 60
 ggcacgtcct cctcttctctg ctccaagctg aagttctacc tcgagctcct gaaaaatctc 120
 atccatgaag tcttgggagt tctgtttgta agacacagct aatcgaattg catcattgaa 180
 gagcttcaca acattggtac catcagcagc cgagacgaaa tacaggggca gggagaactt 240
 cttggcaaaa ttgaagcttt tttgggtcac gtttatgtct gcatcaattt tattggccag 300
 gctgggtcttg aactcctgac ctagttaatcc acctgcctcg gcttccaaa gtgctgggat 360
 tacaggcgtg agccactgca cccagccaga aatgccgtct aatctttggg ttatcttaat 420
 tagccaggac acttggagtg catcccgaag t 451

<210> 1515
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 60, 103, 104, 129, 133, 260, 265, 266, 306, 313
 <223> n = A,T,C or G

<400> 1515
 ctggcaagag acttcctgag gcacatcagc tacgttggtc aatttagggc acggtctggn 60
 tctgcagctt tgaaagggtg attcttttcta ttagcacact ttnntaagag ggattgtaaa 120
 ggattaacnt cantcaccag aaacgaaaca ccacttcaga aattcagaga cctctgatca 180
 acagaacaga catttgggct ttaactgcta aagcagctac ctacttgggg aaaccatggc 240
 attctgctgc ctggacagcn ggaannaaga gagatttcag agttactggc acgaggacaa 300
 agcctntcag ctngct 316

<210> 1516
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 241, 269, 293
 <223> n = A,T,C or G

<400> 1516
 ccatggcact ctgatcatgg ttatatccaa gaaagcataa aataaccaat gtccctgatat 60
 gcaatctgga tgtgcagcat ttacagcaaa caacataaaa agaaagaaag aagaatggaa 120
 aagtaaagaa gaaaaaaacc accacaaagt cccaaacctc agaaattaac attcacttaa 180
 gaacacagtg gtgaagactt ttggtagcaa aatttgcacg gttcttaaaa tgggagtctt 240
 naaaagtact tcttcaaatt caaaagctna gaaaaccaa gagggaacag ttncacaggc 300
 ttagtggaga tgcc 314

<210> 1517
 <211> 357
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 327, 332, 354
 <223> n = A,T,C or G

<400> 1517
 aaagatttct gttaatttga aagaacaaaa acaagacaga acttctggta ctctaatacag 60
 gatgattcct aacaagtcag tcatttgtga acttagtgga ctttttgggt actttaattt 120
 gcatatattc tccagttaca tcggactcta tctgtggcct tgttcttcat ttcagtgtta 180
 atcagctaaa cagaagttgt tgcttatgat gtgtgagtga acatatgcca ctgcctggcc 240
 ttttttctt cagagcttgt tgtctttttc gctatattag actttgcagt atgcccagaa 300
 gctttccttc ataaaataga aagaanaaaa cntttggctt attttctact gtancta 357

09920300-073104

<210> 1518
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 1518
 cctcgggtgga gacgcagacc ccatgaagag gaaaccctgg acatccctgt ccagcgagtc 60
 tgtgtcctgc ccccagggat cgctgagccc tgcaacctcc ctaatgcagg tctcagaacg 120
 gccccgaagc ctccccctgt cccctgaatt ggagagctct ccttgatgcc ctctgttagg 180
 gcccacccca atcccagggc agaaggacat gagggagcaa agagcttgag gaatgccata 240
 ctccggctgg tccgggacat ggaaattcgg actcagggag gacccgggct gggcaatgac 300
 tgggagactt gcccgggttc ccaggacttg ggggtcctga ctcccagccc tcatcctgcc 360
 ttaccctctt gttcccagcc ccagccttcc taagccattg ggaatagaat ggcccctttt 420
 gttctggtgt ctagggtgga ttgtgccaaa gctcttattt ccagtgccaa gccccagag 480
 gcttgtaaga gttgggatga gggatggaga gggactgggt ctctgggaac aggt 534

<210> 1519
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 1519
 ctggatcttt ccggggattc agtcaagacc atcgccaagc tatgggatag taagatgttt 60
 gctgagatta tgatgaagat tgaggagtat atcagcaagc aagccaaagc ttcagaagtg 120
 atgggaccag tggaggccgc gcctgaatac cgcgtcatcg tggatgccaa caacctgacc 180
 gtggagatcg aaaacgagct gaacatcatc cataagttca tccgggataa gtactcaaag 240
 agattccctg aactggagtc cttgggtcccc aatgcactgg attacatccg cacggtcaag 300
 gagctgggca acagcctgga caagtgcagg aacaatgaga acctgcagca gatcctcacc 360
 aatgccacca tcatggtcgt cagcgtcacc gcctccacca cccaggggca gcag 414

<210> 1520
 <211> 203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 148, 193, 196
 <223> n = A,T,C or G

<400> 1520
 ccaacagtgt atccatcacg ttagccctgc tggagggaag ggaccacat tcacctgccc 60
 tctgacctgc cccttgatcc catatctatt accgtgtcca taggaataat aggtaagggc 120
 tctgtctctg tcaagccatg taacaaanga cactgttaaa aaaaagaaac aaagtctggc 180
 atcagagggga gcntgnggag agc 203

<210> 1521
 <211> 492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 408, 439

09920300.073401

<223> n = A,T,C or G

<400> 1521

```
ccggcggtgg ggctggacgc aggtgcaact gacatgggtg aaccccaggg atccatgcgg 60
attctagtga caggggggctc tgggctggta ggcaaagcca tccagaaggt ggtagcagat 120
ggagctggac ttccctggaga ggactgggtg tttgtctcct ctaaagacgc cgatctcacg 180
gatacagcac agaccgcgc cctgtttgag aagggtccaa ccacacacgt catccatctt 240
gctgcaatgg tggggggcct gttccggaat atcaaataca atttggactt ctggaggaaa 300
aacgtgcaca tgaacgacaa cgtcctgcac tcggccttcg aggtgggcgc ccgcaaggtg 360
gtgtcctgcc tgtccacctg tatcttccct gacaagacga cctaccnnga tagatgagac 420
catgatccac aatgggcnnc cccacaacag caattttggg tactcgtatg ccaagaggat 480
gatcgacgtg cg                                         492
```

<210> 1522

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 388, 389

<223> n = A,T,C or G

<400> 1522

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ccacctggag acggtgattt tgggcctatt gaagacacct gctcagtatg acgcttctga 60
gctaaaagct tccatgaagg ggctgggaac cgacgaggac tctctcattg agatcatctg 120
ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa tgtacaagac 180
tgatctggag aaggacatta tttcggacac atctggtgac ttccgcaagc tgatggttgc 240
cctggcaaac ggtagaagag cagaggatga ctctgtcatt gattatgaac tgattgacca 300
agatgctcgg gatctctatg acgctggagt gaagaggaaa ggaactgatg ttcccaagtg 360
gatcagcadc atgaccgagc ggagcgtnnc ccacctccag aaagtatttg ataggtacaa 420
gagttacagc ccttatg                                         437
```

<210> 1523

<211> 315

<212> DNA

<213> Homo sapiens

<400> 1523

```
ctgctgcagc tccccagggg ccagccccgc ctctgcgtct gggtctccat cccaagacca 60
ttcacccctcc gagttgctgc tgtcctcctc gccctcctcc tcgtcctctt catcgtcttc 120
caccocatgc cgagtgtca ggggcctcag tatccctctc tccgagaatc cctcgggtgc 180
gtcctcttca gagctgttca ggtcaaagag gtctttaaat tgcttctgt cctcatcctt 240
cctgtcagcc atcttcttc gtttgatctc agggaagttc aggtcttcca gccgctcttt 300
gccactgata tccag                                         315
```

<210> 1524

<211> 269

<212> DNA

<213> Homo sapiens

<400> 1524

```
agcgggtgaa gaaattagaa gaagtggaaa ggaaaaaacg ccaaagggag ttggaaattg 60
aagaacgaga acggcgtaga gaggaagaga gaagacttgg cgatagttcc ctttctagaa 120
```

05920300.073104

aggactctcg ttggggagat agagattcag aaggcacctg gagaaaagga cctgaagcag 180
 attctgagtg gagaagaggc ccgccagaga aggagtggag acgtggagaa gggcgagatg 240
 aggacaggtc tcatagaaga gatgaagag 269

<210> 1525
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 1525
 aaaaaccatg gcattcctta agattgcaga tctcaaatta tagtaaaata agttgagttt 60
 aagaaaatga agagtataag tttgattagg gatggagggt gagaggagct tgccagatgg 120
 gccatatcat aataggcttt atattctttg caaaagcaat tggattttat cttgtagtca 180
 atggggagca aattaaaaga ttttaagtgg tgtgtattct aaaaagatca ctgtgggatg 240
 ggtggctggc aggggatggg aggatgaaga aaagtgggt aatggggggc gggcacggtg 300
 gctcactcct gtaatcccag cactttggga ggccgaggcg ggccgatcac cgaggtcagg 360
 agatcgagac catcctgggt aacatggtga aaccccatgt ctactaaaaa tac 413

<210> 1526
 <211> 441
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 408
 <223> n = A,T,C or G

<400> 1526
 ccatgctggg ggaacagttc atggttgggg aggagatctg tggggctgtg gtgtctgtcc 60
 gctttcagga agacattatt tcaatatgga ataagactgc cagtgaccaa gcaaccacag 120
 ccggaatccg ggacacactt cggcgagtgc ttaacctacc tcccaacacc attatggaat 180
 acaaaaactca caccgacagc atcaaaatgc caggcaggct gggcccccaa aggctccttt 240
 ttcaaaacct ctggaagccg cggttgaatg tgccatgacc ctctccctct ctggatggca 300
 ccatcattga agctggcgtc atcggagtct ctgtttctgt tggcgtgcta cctggaagat 360
 ccttctgtcc tggacaagag gaattggaag agcattttat gttttaanga acaggctgac 420
 acgcagcagc tacaacaaca g 441

<210> 1527
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 1527
 ctgcagcatt acatgaaaga aagcgcccag cttctgtcgg aaaaaatcgc gttcaaaacc 60
 tcggatttca gccgaggctc tectaattgcc aagcccaaag ttttcacttg cgaagtgtgt 120
 ggaaaggtct ttaatgcgca ctataactta acccgtcaca tgccagtgc cagaggagcc 180
 agacccttcg tttgcaaagt gtgcggaaaa ggtttcaggc aagcaagcac cctgtgcagg 240
 cacaagatca ttcacacgca ggaaaaacct cacaaatgta accagtgtgg caaagcattt 300
 aatagaagtt ccactttaaa cactcatacc cgaatacacg cgggctacaa accgtttgtg 360
 tgtgaattct gtggcaaagg gtttcatcaa aaagggaatt acaaaaacca caagttgacc 420
 cacagcgggg agaagcagtt c 441

<210> 1528

05920300-073401

<211> 467
 <212> DNA
 <213> Homo sapiens

<400> 1528
 ctgactttgt cgaacaagtg aatccctctg aaataacgct tccacaactg ttttttctact 60
 ggcattaaca gcagtaactg cgaatacact ttctctttct aatgcagact gtattctgtc 120
 tctatacaaa gaagccagca gcctccatgt gaccatctcc tgttgaagaa gccagagcat 180
 actggctgtt ttgaaaatt ttggaagtcc aggtgttgct cgactcacta ttttactcag 240
 tatattcacc tgactaccac agatgttttc atactcttcc acaagatcaa aaactgtact 300
 cgaagagtgc ttcagaaaag actgcaggaa atcagaaaac atactcatgg atgcagcttc 360
 tccaggatca tcttcacgta acataacagc actgatagtt acatcttctg ttatactgtg 420
 gggctctgtg ttgtgaaca gcccggaacg ctgtgatgaa aatgcag 467

<210> 1529
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 257, 262
 <223> n = A,T,C or G

<400> 1529
 ctggcttcac tgctcagggtg attatcctga accatccagg ccaaataagc gccggctatg 60
 cccctgtatt ggattgccac acggtccaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
 agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctgggtg 180
 atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
 atccaccttt gggtcgnttt gntggt 266

<210> 1530
 <211> 384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 290
 <223> n = A,T,C or G

<400> 1530
 ccaggctggt ctggaactcc tgaactcagg tgatccgccc acctcggcct cccaaagtgt 60
 tgagattaca ggcattgagcc acgtgcctgg cccagtcac ggatttaggg tccaccctaa 120
 tccatgataa cctcatgtct gtctacaaag accctatttc caaataagcc catattctga 180
 ggtgaattct cagaatatga attctcagaa tatgaatatg aattctcaga catgaattct 240
 tgccagacac tactcaatcc agtggagcag gggagctggg actctcccn gatggcaata 300
 gggagccaca gaggctgtgt gagcaggggc agaagtgaggt cagatgtgcc tgtcagaaaag 360
 ccctgcagcc ccatctcatc cagg 384

<210> 1531
 <211> 485
 <212> DNA
 <213> Homo sapiens

09920300-073101

<400> 1531

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tactgtggct agccgccttt cagacactaa agctgctggg gaagtcaaag ccttggatga 60
cttctataaa atgttacagc atgaaccgga tcgagctttc tatggactca agcagggtga 120
gaaggccaat gaagccatgg caattgacac attgctcatc agcgatgagc tcttcaggca 180
tcaggatgta gccacacgga gccggtatgt gaggtcgttg gacagtgtga aagagaatgc 240
aggcaccgtt aggatattct ctagtcttca cgtttctggg gaacagctca gccagttgac 300
tggggtagct gccattctcc gcttccctgt tcccgaactt tctgaccaag aggggtgattc 360
cagttctgaa aaggattaat gattgaaact taaaattgag acaatcttgt gtttcctaaa 420
ctgttacagt acatttctca gcatccttgt gacagaaagc tgcaagaagg gcactttttg 480
attca 485
```

<210> 1532

<211> 562

<212> DNA

<213> Homo sapiens

<400> 1532

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aaagcaacaa agtaaaataa aatcccccaa atgacaaggt atcagaaatc cagacttcgt 60
tacactctat ttgtgaaaat gttcagccat tttattgttc tgtaaaggaa ccatcatctg 120
gggtcaaaaat gaattctata aatcaaagaa tattctacac cttggaaaag aaaatcagca 180
gtaacattct cactgaatat tgtaaattac atttttcttc ataaaaggta catactattc 240
tgcacttttc caccaaaaagc agtgggtgtgt tatgcttgtt atataaaaaa agttatatcc 300
tgtggcagga aaaacccttt ctctttcact ttactaaac aactggagaa aatgttcaag 360
tctgtataaa gttgcctata agctggaaaag tgaacttgtt caatctccat ttacatttta 420
gtgcattttt tgacaattgt cacattttta acaaaaagtaa gaaaatgcat atagcactaa 480
agagtgtttc atcaaatgct taagggatta aaaaatatgg agcagagaac aaaatcattg 540
tgaatggatg aactgttgta aa 562
```

<210> 1533

<211> 305

<212> DNA

<213> Homo sapiens

<400> 1533

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cctcggtggg tcttgcgggg cagcttcttg gtgtgccaac gactggtgac ccctttgtag 60
cctttgccct tggtcacccc gatgacgtcg atcatctcat cctgccc aaa cacttggttc 120
acaggtagct gctgctcaag cctctcgcgg gccagtgcca gcttctcggc cacagtgcct 180
ccgttcacct ggatctccat cagggtgggccc ttcttctggc gcagaggaag caggcgcatc 240
tgggtgtggg caatgacacg gatgacttgg cagtacttct tcatgctgct gaagtccttc 300
tccag 305
```

<210> 1534

<211> 348

<212> DNA

<213> Homo sapiens

<400> 1534

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ccaaagtgga acagggtgaag ttcgatgcca catccatgca tgtcaagcct cagggtggctg 60
cccagcagaa gatggtagat gatgggagtg gggaagtgcg gggcagccag gccagccaag 120
atgaaattac agcatcagct tatcaagccg tcatcctgga ccagaagtac aatgggtgaac 180
cagtccagat ccgggtccca atgggcaagg agccacctca tcttatgtcc atcttcaagg 240
gacgcatggg ggtctaccag ggaggcacct cccgaactaa caacttgag accggggccct 300
ccacacggct gttccaggtc cagggaactg gcgccaacaa caccaagg 348
```

05920300.073101

<210> 1535
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 1535
 cgaaagggga gttcaaggag acggggggcga cgcggctgag ggcttctcgt cgggggtcggg 60
 gctgcagccg tcatgccggg gatagtggag ttgcccactc tagaggagct gaaagtagat 120
 gaggtgaaaa ttagtctctgc tgtgcttaaa gctgcggccc atcactatgg agctcaatgt 180
 gataagccca acaaggagtt tatgctctgc cgctgggaag agaaagatcc gaggcggtgt 240
 ttagaggaag gcaaactggt caacaagtgt gctttggact tctttaggca gataaaacgc 300
 cactgtgcag agccttttac agaataattg acttgcattg attatactgg 350

<210> 1536
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 1536
 ccacggcgct tggaaatcctg gttgttgctg gatgctcttt tggatatctcc taatcgcaaa 60
 aaaagtgaac gcctgaagca gccacaaaat cctgtgttag aagcag 106

<210> 1537
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 1537
 cctgggtctcc acgagctccg tgtcctgggt ctgggtcctcc ccatcccgcct gccaggtcag 60
 tgtgatctcc gcagggtaga agcccagggc ccagcacctc aggggtggcct catggtcaga 120
 gatgggggtgg tgggtcatat gtgtcttggg ggggtccgtg cgctgcagcg tctccttccc 180
 gttctccagg tatctgcgga gccactccac gcacgtgccca tccaggtagg ctctcaactg 240
 ctccgcctca tgggcccgcct cccacttgcg cttggtgatc tgagccgcca tgtccgcgcg 300
 ggtccaagag cgcaggtcct cggttcagggc gatgtaatcc ttgcccgtcg aggcgtcctg 360
 ccggtacccg cggaggaagc gcccgtccga cccacgtcg cagccataca ttatctggat 420
 ggtgtgagaa ccggcctcgc tc 442

<210> 1538
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 404
 <223> n = A,T,C or G

<400> 1538
 ctgaagagtc aacttgggccc tggaggactg ataaagtgtt tgattttgag ggccctctaaa 60
 agtattaaag cagcagcagc cgctgcacgc agacatgagg gctaggctaa aacagtaagg 120
 tcaagttggt tggacagaaa ggctacaggg tgtggtcctg gctcttgtgt aagaattccg 180
 accacgctaa ccatgcctag gaaggaaaag agttgttgtt ttgtagaagg tgcgtggggtt 240
 tgagagatca gtcggacacg attggcaggg aaagcacgtg tgcttttacg agaattacgc 300

099E0300.073104

cgagataggt aacagatgag gaagaaatct gggcttgact gaagtaatgg gggctgtctg 360
 tgaagctttg cagcagtaca gcccaggtaa tttgctgagc ctanggggtg tcagggtcag 420
 tct 423

<210> 1539
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 1539
 ccaccattat gtctgggtca aaggccaagg tccggaaagc gctgcaatta gaagtggatc 60
 ggttggaaga actgaaaatg caaaacatga agaaagtgat tgaggcaatt cgagtggagc 120
 tggttcagta ctgggaccag tgcttttata gccaggagca gagacaagct tttgcccctt 180
 tctgtgctga ggactacaca gaaagtctgc tccagctcca cgatgctgag attgtgcggt 240
 taaaaaacta ctatgaagtt cacaaggaaac tctttgaagg tgtccagaag tgggaagaaa 300
 cctggagggt tttcttagag tttgagagaa aagcttcaga tccaaatcga ttacaaaacc 360
 gaggaggaaa tcttctaaaa gaagaaaaaac aacgagccaa gctccagaaa atgctgccca 420
 agctggaaga agagttgaag gcacgaattg aattgtggga acagg 465

<210> 1540
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 7, 138, 182, 183
 <223> n = A,T,C or G

<400> 1540
 acctctngat gtcaccatgg agacatcaag aggtcatgat tgcagaagag gtgactggaa 60
 ttgaatgaca tgatccaggg gagggcggcc acaaatgcag taacatgacc aggatgggcc 120
 ggtggggctg gtcaggtnac agtgtgaggg acagaacgga ccccttact ctggcctcct 180
 gnnggtctcc aggtgtgaca ggatccagcc cgctggcagg aggaaggtca cgaagcagga 240
 ggtaagccca acggccaatt ccatgatccc aagcttcccc tccggcggca acgaat 296

<210> 1541
 <211> 143
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 27, 75
 <223> n = A,T,C or G

<400> 1541
 tttttttttt tttttttttt ttttttngat gttaatgact ttactttgag atatgatgga 60
 aaaatattac aggtncacat ggaaaagaca tgatcaccaa gtgaaaacaa tctaaccaga 120
 aagctttaac atctgtcagt taa 143

<210> 1542
 <211> 430
 <212> DNA

09920300.093404

<213> Homo sapiens

<400> 1542

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ctgagagcac tgactcaggc ggggcaccct caccaagtaa gcagggggca ttcagcatgc 60
cctctgggtc tgaccagag agaggggact gaaaataaac cctcttttgc tctgtggctg 120
gccactggc tcaacatgag cgcttggctt ggctgtgcct catgagagag ggagggagag 180
agaggctttc tgggccagag atgtttcttg gagggtttgc cagccttgtc ttgagccatc 240
agtgtggcag gggagcacag ggggtgtagg ggagacactg cggaggccac gtgaaagtgg 300
cagctagctc tactttcaaa agagaagcag tggttcagtg accctgagca ttctgtgtgc 360
aggagggagc tgccctggaca gcaagtcatc actgcctctg aatacacaca aaggaggctg 420
cctgtccagg                                     430
```

<210> 1543

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 207

<223> n = A,T,C or G

<400> 1543

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ctggaagaac aattaagaat aatggatcag accttgaaag cattaatggc tgcagaggat 60
aagtactcgc agaaggaaga cagatatgag gaagagatca aggtcctttc cgacaagctg 120
aaggaggctg agactcgggc tgagtttgcg gagaggctcag taactaaatt ggagaaaagc 180
attgatgact tagaagagaa agtggcncat gccaaagaag aaaaccttag tatgcatcag 240
atgctggatc agacttttact ggagttaaac aacatgtgaa aacctcctta gctgcgacca 300
cattctttcg tcttgttttg ttttgttttg ttttt                                     335
```

<210> 1544

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 29, 397, 398

<223> n = A,T,C or G

<400> 1544

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aaattttaga aaacctgtat aaattactng tgcataactt aaagattatt ctgccttttg 60
ctaattgagt aattcccctc cagcactaga gaccgctcag tgctcttact agatgaactc 120
agtaacgcct tgagctgggt tgattgagga tgtgtgaaaa gctcacagag cccgatgcct 180
gctgctattt caggccaatg agcctttttc tttctacact gaagattttc ttcttattta 240
atgtggttta ttttgggctc agaaataatt gctctgttga aaataatcct ttgtcagaaa 300
agaaggtagc taccacatca ttttgaaagg accatgagca actataagca aagccataag 360
aagtgggttt gatcgatata ttaggggtag ctcttgnntt ttgttaacat taagataagg 420
tgactttttc ccccttgctt ttaggattaa aatcaaagat acttctatat ttttatcact 480
atagatcata gttattata                                     499
```

<210> 1545

<211> 95

<212> DNA

T07E20"00E02650

<213> Homo sapiens

<400> 1545

ctgcatgatg aagttcactg tcaaggactg tgatcccacc actggggaga ctgatgacga 60
aggctatgag gatgagtatg tgctggaaga tctgg 95

<210> 1546

<211> 460

<212> DNA

<213> Homo sapiens

<400> 1546

ccttgccgct gctaggaagt ggcacatctt cctgctcagg gcaccaaggt gggttcagaaa 60
cgtaaaggac gagccacagc gaaaagccgc agtcctcaca ggcaagaagg gataaataaa 120
tatgaggtga cccgcagcag ctctcacctg ggctgggtgtg tcacaaccct gacccacccc 180
taaaaaaaaa aaaatcaaga agcaacatcc taaggagaaac agggccctac tctacacagc 240
cctttctgag atgatcggca tacagcaggt gatgcaggct gcacactcag cagattcagc 300
ggctggaaac agcaagtggg tttcttcgga tgaaagggaa gaattcagtc caactgcagg 360
aggggtggga gaggttccag atcctgggaa ccacatcacc agacctcggc cctttttgcc 420
aagtgacccc caccacccc tgatgtggtc tacaggggccc 460

<210> 1547

<211> 476

<212> DNA

<213> Homo sapiens

<400> 1547

ctggggccac tgcggcatc atgattggag tgctgggttg gggttgcctg atatagcagc 60
cctggtgtag tttcttcatt tcaggaagac tgacagttgt tttgcttctt ccttaaagca 120
tttgcaacag ctacagtcta aaattgcttc tttaccaagg atatttacag aaaagactct 180
gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccattctctac taaaaatata 240
aaaatgagct gggcttggtg gcgcgcacct gtagtcccag ttactcggga ggctgaggca 300
ggagaatcgc ttgaaccggg gaggtggaga ttgcagtggg cccagatcgc accactgcac 360
tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
tgtactcttg aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaac 476

<210> 1548

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1548

ctggaacaga tgctcactgc gctggaccag atgcggagaa gcatcgtgag tgagctggcg 60
gggtttttgt cagcgatgga gtacgtgcag aaaactctca cggacgagga gctggctgac 120
tggaagaggc ggcaacagat tgcctgcatt ggaggcccg ccaacatctg cctagatcgg 180
ctagaaaact ggataacgtc attagcagaa tctcaacttc agaccgtca acaaattaag 240
aaactggagg agttgcagca aaaagtttcc tacaaagggg accccattgt acagcaccgg 300
ccgatgctgg aggaga 316

<210> 1549

<211> 162

<212> DNA

<213> Homo sapiens

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<400> 1549
 aaaatatttt agataattct taaactatga acctttcttaa catcactgtc ttgccagatt 60
 accgacactg tcacttgacc aatactgacc ctctttacct cgcccacgcg gacacacgcc 120
 tcctgtagtc gctttgccta ttgatgttcc tttgggtctg tg 162

<210> 1550
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 1550
 ctgtgcccggg tggaggagat gcgccagtcc ctgagaatta tcgcacagtg tctaaacaag 60
 atgcctcctg gggagatcaa ggttgatgat gccaaagtgt ctccacctaa gcgagcagag 120
 atgaagactt ccatggagtc a 141

<210> 1551
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 1551
 aaaaaaaaca accacaaaaa aaaatcaatt ggctaaaaaa aaaaaagtat taaaaacgaa 60
 ttggctgaga aacaattggc aaaataaagg aatttggcac tccccacccc cctctttctc 120
 ttctcccttg gactttgagt caaattggcc tggacttgag tccctgaacc agcaaagaga 180
 aaagaagggc cccagaaatc acaggtgggc acgtcgctgc taccgccatc tcccttctca 240
 cggggaatttt cagggtaaac tgg 263

<210> 1552
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 1552
 ctcttttata aagctgatgt tctgagcgaa gaagcaatac tgaaatggta taaggaagca 60
 catgttgcta aaggcaaaaag tgtttttctt gaccagatga agaaatttgt tgagtggta 120
 caaatgcag aagaagaatc cgaatcggaa ggtgaggaaa attaatggc tcaacaagca 180
 caatacctag gttaccacac accacttttt gattgggaat gctgaaccat ttgagaagag 240
 aaacttggct tctgttttctg caaaggaaaa aaaaaatag ataggcttcc cttgtgcaga 300
 gggagaaatg gctttgtttt tgttttgttt tt 332

<210> 1553
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 365
 <223> n = A,T,C or G

<400> 1553
 tttttttttt ttttttttat gtgttgtcgt gcaggtagag gcttactaga agtgtgaaaa 60
 cgtaggcttg gattaaggcg acagcgatct ctaggatagt cagtagaatt agaattgtga 120
 agatgataag tgtagaggga aggttaatgg ttgatattgc taggggtggcg cttccaatta 180

05920300.073401

ggtgcatgag taggtggcct gcagtaatgt tagcggttag gcgtacggcc agggctattg 240
 gttgaatgag taggctgatg gtttcgataa taactagtat ggggataagg ggtggtaggt 300
 gtgccttggt gtaagaagtg ggctagggca tttttaatct tagagcgaaa gcctataatc 360
 actngngccg ctcataaggg gatggacct 389

<210> 1554

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1554

aaacagacct ttagtgactg aggtgtggtt taggacttca aggttggatg gcccaggcgg 60
 gaaacagagt ggagagctca gtaggccgtc tgagactgct gctggcggta gccaccgcgg 120
 cgcatgtagc cctcgTTTTT gcggtagccg tccttctggt ctcggaagta gccccgtag 180
 gtgccttgct tgtggtcaaa caccggttcg ttgttctcca ccaggctgcc cagcttctcg 240
 gccag 245

<210> 1555

<211> 161

<212> DNA

<213> Homo sapiens

<400> 1555

aaagcacaac tagctatttg tttacaaatg atatTTTTat gtatatTTtg tatagtgtat 60
 catcattttt gccaaatatg tttttcatta taaatgagta aagagtactt aaggttgcat 120
 tcacgtatta catgtttgtt gttgtaaacc tctccaatca g 161

<210> 1556

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1556

aaaccagggg ctcgatcaa ccaggaccac aagcacaat acatccacat cttggcgtac 60
 gcagcaagcg tggttgagac ctggaagaag aacaagcgag tgagcatcaa taaagatgag 120
 ctgaagtcaa cgtcaaaagc tgtcgaaacc gtccacaatt tgtgttgcaa cgagaacaaa 180
 ggggcctctg aactagtggc agaattgagc acactttatc agtgtattag gtttccagtg 240
 gtagcaatgg gtgtgctgaa gtgggtggat tggactgtat cagaaccaag gtactttcag 300

<210> 1557

<211> 379

<212> DNA

<213> Homo sapiens

<400> 1557

ctgcagcctg ggactgaccg ggaggctctg accatttacc caccacaggt aggttgtgtt 60
 ctgaacctca ggttcacagg tgaaggccac agcatccttg tcctccacgg ggttggagtt 120
 gttgctggag atggagggtc tgggcagctc cgggtataca tggaaactgtc cggttgcttc 180
 ttcatccaca agatctgact ttatgacttg tagggatatag aatcctgtgt cattctgggt 240
 gacgttctgg atcagcaggg atgcattggg gtatatgtgc tctcgaccac tgtatgcggg 300
 ccctggggta gcttgttgag ttctatttac atatcctaca attagactgt tgccatccac 360
 tctttcgctt ttgtaccag 379

05920300 "073404"

<210> 1558
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 1558
 gctgtctagt tttgtttttg ttttgagatg gagtttctact ctgtgtgccc aggttggagt 60
 gcaatggcac aatctcagct cactacaacc tccgccttcc aggttcaagc aattctccta 120
 cctcagcctc ccaagtagct gggattacag gcatgcacca ccatgcctgg ctaatatattt 180
 tttgtatttt tagtagagat ggggtttcac catgttgg 218

<210> 1559
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 354
 <223> n = A,T,C or G

<400> 1559
 aaaatgtttt atttcatagc tcataaaaaa gtatgtatgt acaagactca agtaaataga 60
 aaggcagctt tcaatcacia atcagttttt cagattttac tgtggaagca tatttaaatgc 120
 acacatttga atgttacaca taaataattt taacgatgga gtccaagttc tggattttac 180
 attagatctg catatataag acacttgttg tcaaatttca agattggtaa agccagtttc 240
 aagctgctta tattttgagt acaggtttca ctattacaaa tatatgatgt taaactaaca 300
 aactcatgac cttcaaagat gtcttcgtcc cagcacaca catttgtaat ttngtccat 360
 ttgctatttc cttctttcta taatcttcaa attatatagt tatgcattga gttccctatg 420
 catctcacc atctccttta tctcagcctt ctcatacttt gccattctct tctttctgga 480
 a 481

<210> 1560
 <211> 157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 17, 18, 60, 86, 124
 <223> n = A,T,C or G

<400> 1560
 nnaaaagaaa aagaagnnaa aagatggaac tgagaaagaa aaggatatta aaggactcan 60
 caaaaagaga aagatgtatt ctgaanataa acctttatca tctgagtcct tgtcagaatc 120
 agantatatt gaggaggtgc aagcaaaaaa gaagaaa 157

<210> 1561
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 1561
 ctgtttcagc accttcgtct ggctgggtctc tcggatttgc ccagccagga acatctcgtc 60

09920300 03401

cacgaccgtg taaaccttgt agaagttgaa caccaggtcc agttcacaga cattgtggaa 120
 atattcgttt aagacctcca cgaagttgtg aatggcctcc aggtaagcca ggttgttgtc 180
 attgacatcc acacagatgc agaagtagag gccagcatag cggcggtaaa tgatcttaaa 240
 gttccggaac tccacaaagt tgggtgtgtt ggcgtctcgg acggtgacca cgcatgcac 300
 ctctctc 306

<210> 1562
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 236
 <223> n = A,T,C or G

<400> 1562
 aaaagcttaa aacagaaaca gccatttatt tgctcatgat tctgtaactt gggcagggct 60
 tggcagggtc agctagtctt tgctgaggta acttgaactg ggctaaagat gcaagatggc 120
 ttacaccagc ttctcagttg ggggctggcg tggctggaag acagcaggcc cttccctttt 180
 ccttttagagt ctctcatcct ccagggcctc attttcttca ggtgctatct ctctcntgca 240
 gcacaaactt ctttacctca cagctgtgcc tttggagctg gacatccagg tacctggctg 300
 cctgctggga acaggtgagt atgtatcagc cattgtgaag cctcaaaagg ctgcagcctg 360
 acgtagctgc agatcaggct gtacccaaat tgcattgtta ctgatgaaat aatttttt 418

<210> 1563
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 1563
 ctgacccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
 acaagacaac ctgaagctaa atggatgccc cctgcagagt caacagggtcc agcctcacag 120
 tgcacgccct gagctacagc ctctcccaaa aggcatcttc cccacagcct caacgccgag 180
 caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
 cagttgaaaa ctcaggattt ctagccaata accatagtta ccaccacctt acaaataaaa 300
 agaaaatgcc agaaacatct ttaaattgct tgtcacacca acagcaaagt gcacagagtg 360
 aggagaacac gagagtgcct tttcatttt 389

<210> 1564
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 1564
 aaacatctca catatacaaa ataggtacaa ttttaatttt ctgcttgccc aagaaacaaa 60
 gcttctgtgg aaccttgga gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
 tgaagaagat ttgggcaaat aatctgcata cttttaattg ggaataagat ggaaaatatg 180
 aatgctaaat caaatttttt 200

<210> 1565
 <211> 514
 <212> DNA
 <213> Homo sapiens

05920300 "073401
 T07E20" 00502660

<220>
 <221> misc_feature
 <222> 415, 416, 432
 <223> n = A,T,C or G

<400> 1565
 aaatgaagga tttaccatta agaaatcaac atgtgcacaa aaagagtaaa aattaccaaa 60
 aaattaaaga ttttttgga caattcacat gttcaaaatt taagaatgat ttaaactgtg 120
 caagtacaaa tgtctttcct attataataa cccatataca ggttgacta ttccacatca 180
 aggaacttgc ctcctacgga agcaaattcct gcttttagaa aaacaaacag tagcttgaaa 240
 agaacagtta gtcccttaca gaaagtctta aactttgccc tctgtggctg ttagccaaaa 300
 aaccataagc acttcaggct ttgtacagaa gacaaacaca gccagatcac atttcctcct 360
 cattgctaac cttttaaata aaaatagcac tagattttta aactacttca tgtannctgt 420
 cagtactgaa tnatgtcaca ttatataaat aacctgttaa cgagattcaa tatctaaact 480
 ttatagttta ctagctgcaa aggtaataca ccat 514

<210> 1566
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 418, 432, 503
 <223> n = A,T,C or G

<400> 1566
 ccatgagctg agttgtgact tctgggaact aattgggttg gcccctgctg gaggagctga 60
 caacctgac aatgaggagt ctgacgttga tgtccagctc aacaacagac acatgatgat 120
 ccgaggagaa aacatgtcca aaatcctaaa agcacgatcc atggtcacca ggtgctttag 180
 agatcacttc tttgataggg ggtactatga agttactcct ccaacattag tgcaaacaca 240
 agtagaaggt ggtgccacac tcttcaagct tgactatttt gggaagagg catttttgac 300
 tcaatcctct cagttgtact tggagacctg cctcccagcc ctgggagatg ttttttgtat 360
 tgctcagtca taccgggcag agcagtccag aacacgaagg cacctggctg agtacacntc 420
 acgtggaagc tnagtgtcct ttcctgactt ttgacgacct cctgaaccgg ttggaggact 480
 tggtttgtga tgtggtagat cgnatatt 508

<210> 1567
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 1567
 ccaagtcttc acaaaccctt gcaacattgc ctgaagttaa tggaataaga tgtattctca 60
 ctcccttgat ctcaagggcg taactctgga agcacagctt gactacacgt catttttacc 120
 aatgattttc aggtgacctg ggctaagtca ttt 153

<210> 1568
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 1568

09920300.073101

gacctgcccg tgaagaggcg ggcattgacac agcaagacga gaagacccta tggagcttta 60
 atttattaat gcaaacagta cctaacaaac ccacagggtcc taaactacca aacctgcatt 120
 aaaaatttcg gttggggcga cctcggagca gaaccaaac tccgagcagt acatgctaag 180
 acttcaccag tcaaagcgaa ctactatact caattgatcc aataacttga ccaacggaac 240
 aagttaccct agggataaca gcgcaatcct attctagagt ccataatcaac aatagggttt 300
 acgacctcga tgttgatca ggacatccca atgggtgcagc cgctattaaa gggtcggttg 360
 ttcaacgatt aaagtcctac gtgatctgag ttcagaccgg agtaatccag gtcgggtttct 420
 atctacttca aattcctccc tgtacgaaag ga 452

<210> 1569

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 438

<223> n = A,T,C or G

<400> 1569

ccagtgaagg caccaacatc ccaagtccctg tgggtgcgcca gattgacaag cagtttctga 60
 tttgcagtat atgcctggaa cgggtacaaga atcccaagggt tctccctgt ctgcacactt 120
 tctgtgagag gtgcctgcag aactacattc ctgcccacag ttttaaccctc tctgcccag 180
 tgtaccgcca gacctccatc ctgcccagaga aaggggtggc cgcgctccag aacaatttct 240
 tcatcacaata cctgatggac gtgctgcagc gaactccagg cagcaacgct gaggagtctt 300
 ccattcctgga gacagtcact gctgtggctg cgggaaagcc tctctcttgc ccaaaccacg 360
 atgggaatgt gatggaattt tactgccagt cctgtgagac tgccatgtgt cgggagtgc 420
 cggaggggga gcacgcanag caccacacag ttccactcaa ggatgtggtg gaacagcac 479

<210> 1570

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1570

aaaataaaga ggcgccaata cccgttcatt tatgtattag aagtctcgta taatcaccaa 60
 taaaacagaa atagcatctg tgatcacaca acggagaaaa aagatcaaga gacaacctta 120
 gccactgtaa aactgtactt gaacactcag atgctctggc taagtcagaa tctaaagatt 180
 tgctaataag gttttatttg tttagcatag tcccatggcc tttgtctata actgatatgt 240
 ggaaaccgtt cccaaggaaa ttttaagaaac cattctgaaa ttctgccttt gatgtacatt 300
 ataattaaat gtgactgtta taaacgttgc ctctatcata ttatcttttg taaagtggag 360
 gcaaagagag acaaaaagca tcctcctgga ctgctgacat gcagaaaagca tcagcaatga 420
 tagggttgtg acagcattta tggagtttct agggcagggg ggacagaatg ctgtatctca 480
 gcatcttttg ttaaggtctg gcctc 505

<210> 1571

<211> 469

<212> DNA

<213> Homo sapiens

<400> 1571

ctgagtacaa ggttatcact gtgatagaac ctggactgct ttttgagata atagagatgc 60
 tgcagtctga agagacttcc agcacctctc agttgaatga attaatgatg gcttctgagt 120
 caactttact ggctcaggaa ccacgagaga tgactgcaga tgtaatcgag cttaaaggga 180

0920300-073101

```

aattcctcat caacttagaa ggtggtgata ttcgtgaaga gtcttcctat aaagtaattg 240
tcatgccgac tacgaaagaa aaatgcccc gttgttgga gtatacagcg gagtcttcag 300
atacactgtg tcctcgatgt gcagaagttg tcagtggaaa atagtattaa cagctcactc 360
gagcaagaac cctcctgaca gtactggcta gaagtttgga tggattattt acaatatagg 420
aaagaaagcc aagatttagg taatgagtgg atgagtaa atgagtaa ggtggagga 469

```

```

<210> 1572
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<400> 1572
ccacaaacac ctctcggcgg ccaggctggt tcagtcgacc acggcacact tccccaaatt 60
cccctgcagg gcacagggca caagctatga ctactcctg taccagccc gcctcagctt 120
ctcatctcta ctgtgccccg ggagactcac cagctccgat cacctcctcg atcttgacgc 180
aggacacgtc gatctccttg gcaaaactccc gaacagcctc attaggggtc tcgtaggtaa 240
aagggtcaat ataaaccttc attccaggag caactggagg gagaagagg gggcgtgaga 300
gggtaacgtc aagccagcct ctccctgcga tgggcacagc tccagcaggc tccctgctga 360
g 361

```

```

<210> 1573
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 202, 208, 232, 234, 273
<223> n = A,T,C or G

```

```

<400> 1573
ttgtacaagc tttttttttt tttttttttt ttttttttat ctcatgcgtt ccattttattt 60
tgtctctcaa attttaggaa tcttctcctt taattaactc atcaacctct catggcaaga 120
atltgagaaa gtaaatattt actcagggtt taattttaat aggaaggaa gaagttacag 180
ctcagtgcac catgaagttg anacaganat ggagacacct cagccccacc tntntggaac 240
aggaaagatg attggggagg gagcacaggt cancgtggga agagggcat ggtgg 295

```

```

<210> 1574
<211> 547
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 473
<223> n = A,T,C or G

```

```

<400> 1574
cgacattcca gaaaatgtcg acattactct gaagggacgc acagttatcg tggaggggccc 60
cagaggaacc ctgcggaggg acttcaatca catcaatgta gaactcagcc ttcttgga 120
gaaaaaaaaa aggtccggg ttgacaaatg gtggggtaac agaaaggaa tggctaccgt 180
tcggactatt tgtagtcatg tacagaacat gatcaagggt gttacttg gttccgtta 240
caagatgagg tctgtgtatg ctacttccc catcaacgtt gttatccagg agaattgggtc 300
tcttgttgaa atccgaaatt tcttgggtga aaaatacatc cgcagggttc ggatgagacc 360

```

aggtgttgct tgttcagtat ctcaagccca gaaagatgaa ttaatccttg aaggaaatga 420
 cattgagctt gtttcaaatt cagcggcttt gattcagcaa gccacaacag ttnaaaacaa 480
 ggatatcagg aaatttttgg atggtatcta tgtctctgaa aaaggaactg ttcagcaggc 540
 tgatgaa 547

<210> 1575
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 1575
 ccacatcatg tcaattacac ccacaacagc tctgaaagga gtatttgatg aacacatctg 60
 agccaagagc ccagagtctc tctccaaggc catgcagttt gttcactgat gggacagtcc 120
 ctcaaaacag ccacgctaag tagacagata cagtctcccc aaatggtacc aatcttactc 180
 ccttgaaaa caggcagagt gaagtgcatt gaaagacaag ttaattaaaa agccactcac 240
 aactggcagt aaattttaat gattgataaa atgcttaaaa taatttlatg tatcagaaac 300
 aaggaacagc ttgttacttt ttcaatgata tcaggaattt tgcagacaca aaatctccat 360
 tattcagctc cat 375

<210> 1576
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 1576
 ccaatgcagc agggacatct gcttggaag gaagttagga tgcccatag gtcaccagca 60
 ccaccatcat gaacagggac agtaactcca gccctggcgc aaatgaaatc cacatggaaa 120
 tccaaatgca agaccacag taccaagatt tggatcatgt attgatcca gattcctcaa 180
 atgaagactg ggctgtcagg catgtgtatc ccaaataat gctatgtcat gccctgcccc 240
 aagtgatgta gagtagactt ttccaagccc caaagatttg tcaagttact catttcatca 300
 tccctcgagg taccttatga ataccttttt tttcttttt tttgagatga agtctcgctc 360
 tgtcgcccag gctggagtc agtgcggtga tctcggtca ctgcaacctc cgtctcccg 420
 gttcgcgcca ttctctgccc 440

<210> 1577
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 1577
 ctgctggaat catataggct attaaccctt ggctatatgg cagaagcgtt tgggtgttggt 60
 gtggaattca ttgatcagga actgtccagg tttattgctg cggggagact acactgcaaa 120
 atagataaag tgaatgaaat agtagaaacc aacagacctg atagcaagaa ctggcagtag 180
 caagaaacta tcaagaaagg agatctgcta ctaaacagag ttcaaaaact ttccagagta 240
 attaatatgt aaagccatgt aactaacaaa ggatttgctt tagagataat tatttggat 300
 ttttatagct tacttcacaa tgtgcccagg tcagtggat ttatttttt aacctctgaa 360
 aacactgacc aaatcaagcc tcatattttt aagtgtctata tataaccttc accagtgtga 420
 tttacataaa tatttcctat gttatagatc atgaaaatat aaaaataagc tagg 474

<210> 1578
 <211> 374
 <212> DNA
 <213> Homo sapiens

055E0300-073404

<400> 1578

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aaagaagaga aaaacacctt gagccttaaa acggtgctgc tgggaaacat ttgcactctt 60
ttagtgcatt tcctcctgcc tttgcttggt cactgcagtc ttaagaaaga ggtaaaaggc 120
aagcaaagga gatgaaatct gttctgggaa tgtttcagca gccaataagt gcccagcac 180
actgcccccg gttgcctgcc tgggccccat gtggaaggca gatgcctgct cgctctgtca 240
cctgtgcctc tcagaacacc agcagttaac cttcaagaca ttccacttgc taaaattatt 300
tattttgtaa ggagaggttt taattaaaac aaaaaaaaaat tctttttttt tttttttcca 360
attttacctt cttt 374

```

<210> 1579

<211> 397

<212> DNA

<213> Homo sapiens

<400> 1579

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aaaaatctca tccttggcta ggcacggtgg ctcacatctg taatcccatc actttgggag 60
gccaaggcag gcggatcaag aggtcaggag tttgagacca gcccgaccaa catggtgaaa 120
ccctgtctct actaaaaaca caaaaattag ccaggcatgg tggcacgcac ccgcaatccc 180
agctactcag gagactgagg caggagaatg gcttgaaccc gggaggcgga ggttacagt 240
agccaagatc ataccactgc actccagcct gggtagacaga gcgagactcc gtctcaaaga 300
aaaaataaaa ataaaaaac tgaaaaggcc aggtgtggtg gctcatgcct ataatcccag 360
cactttggga ggccgaggtg ggtggatcat tttgagc 397

```

<210> 1580

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 490, 511

<223> n = A,T,C or G

<400> 1580

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aaacattgca aattgaccag ctagctatgg aagcataaaa ttaattgata attaattgtt 60
gaaatacatt tctaaaattt atatTTTTat ggtgttagcc tgtaagagca ttttagcata 120
ttgaaatgca tgctgcttaa gatgtgtctg gttcaaata caaaacttgc tgggtcattt 180
ttacatagta gaaacatact gtctatgtgt tgcccaatta ctgtttgtcc actctgaatt 240
ctggaccctt tttggactaa gaattagtta aattcatgaa ctaagagaat tagagatggg 300
gtagagtagg atcaggacag tgggggttaca acagatagga aaggaaagtc agcatttgag 360
tgtagagaaa aaaaggggat catacagatg tcatcaaatt ataggcttta atacagggtt 420
ctttttttta tccaaaagga aaagcactta tcctatcaga atgtctacca tgttttatag 480
taataatttn tgtaaaaaat tgaattttt natagtttt tgtattttt 529

```

<210> 1581

<211> 393

<212> DNA

<213> Homo sapiens

<400> 1581

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gcgcctctcc gaacgcaaca tgaagggtgct ccttgccgcc gccctcatcg cgggggtccgt 60
cttcttctct ctgctgccgg gaccttctgc ggccgatgag aagaagaagg ggcccaaagt 120
caccgtcaag gtgtattttg acctacgaat tggagatgaa gatgtaggcc ggggtgatctt 180
tgggtctctc ggaaagactg ttccaaaaac agtggataat tttgtggcct tagctacagg 240

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05920300.073101

agagaaagga tttggctaca aaaacagcaa attccatcgt gtaatcaagg acttcatgat 300
 ccaggcgga gacttcacca ggggagatgg cacaggagga aagagcatct acggtgagcg 360
 cttccccgat gagaacttca aactgaagca cta 393

<210> 1582
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 1582
 ctgtgatgtc ttggagaaac agtgtaaacc ggcagtgtaa agaagagcag ggcattgatg 60
 agtagttgag aacgggtgaac gggagtatga ctaacagatg aggatgaaat ttgggcttca 120
 ctgaagtaat gggggctgtc tgtgaagcct tgtggcagtg cagcccaggt aatttgttga 180
 gcctaattggg tgtcaggggtc agtctaagtg aaggcaaaga gaggtctggga tgaaggggtgc 240
 aaagcaatag taaagaaagc atgtctgaga tccagaacag aataatgggt agtagaggga 300
 ggtattgagg ataggag 317

<210> 1583
 <211> 272
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 174
 <223> n = A,T,C or G

<400> 1583
 ccacatcggc aggggtcggag ccctggccgc catactcgaa ctggaatcca tcgggtcatgc 60
 tctcgcgcaa ccagacatgc ctcttgtcct tggggttcct gctgatgtac cagttcttct 120
 gggccacact gggctgagtg ggggtacacgc aggtctcacc agtctccatg ttgnagaaga 180
 ctttcatggc atccagggtg cagccttggg tggggccaat ccagtactct ccactcttcc 240
 agtcagagtg gcacatcttg aggtcacggc ag 272

<210> 1584
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 1584
 ctgcaggtag acgtgatctt tctcagggcc acagcctctt ccttctcgga tctccagagt 60
 catggaccga gacaccacat ctctagacgc caggctcctc gcgacagggg cgtatcgctc 120
 cataaacctt tcgccttgac tgttaatgag aatgcctccc tctccacgac atccttccgt 180
 aatgagacaa ccagcaccat atatgcctgt ggggtggaac tgaacaaact ctagggtcctg 240
 gcaaggaagg 250

<210> 1585
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 1585
 aaaaacaaaa ggttgatata ctataaaata agatgcttca gtgcagctcc aaaaaccttt 60
 ataaatacag ccatttggaa ggacgatcct ggatcagaaa ttattccttg tgtatctata 120

09920300 00E0E660

ttatgtgcat gtctcatttc agttgtcata attgtctctg taatttcctc ctgagtagcg 180
 gtcataacca ccctggtttc tgccattata gtctctggaa cgtccatata catatccata 240
 ccctccaggt cgactgtcat aatacctgcc actcccatag ccctgggtccc caccacctct 300
 agagtagctg cgaccacgcc catgggcccc aaagccacct cctctgggtc cccgagcaga 360
 cttgcctgca tgatccacac ggatctgacg accatccaga gactctccgt tcatggctct 420
 catggcaa 428

<210> 1586
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 1586
 aaaagatcca ggtggaaata tttttactat agtaataatt ctacaaaata cctgaattct 60
 taacactgtt atatttcagt ataagtgggtg gctttttctt ttcattgtctt tgatctgggt 120
 ttattcctgt aattcagcca cctgattttg tgagggggggg gaataatatg tgggtttttgt 180
 acaaacatgt ttctcagtgt gttgttattt tggaaaaaat gaggggaggg agtttggcaa 240
 gaatggagaa aatgaatgaa gaagg 265

<210> 1587
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 1587
 ctgcccttgt ctaggaaggc tcatgctttg cttcaatgaa gcgaggagac cacagaaata 60
 cccatggctg tggggctgtg accagcagtg gctgattagg gtggaaactg gaaagcgtca 120
 ctgtctcagc agaagaaagc aggacccccac acagcctggg gaacggctgc ccacccacgc 180
 ctcggtgaag accacggccc tggcgaggcc ccaaggtgct tctgagagat gaacgagaca 240
 cctcagtcac ggcacactgg gtggtgtgct tccccccaa gtccctgtctt tgttttacac 300
 agtcatatga aagacataac cccattgccc aaatcaagcc tggag 345

<210> 1588
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 1588
 gaggaagggt gcaagatggt gttggaaagc actatggtgt gtgtggacaa cagtgagtat 60
 atgcggaatg gagacttctt acccaccagg ctgcaggccc agcaggatgc tgtcaacata 120
 gtttgtcatt caaagaccgc cagcaaccct gagaacaacg tgggccttat cactactggct 180
 aatgactgtg aagtgtgtgac cacactcacc ccagacactg gccgtatcct gtccaagcta 240
 catactgtcc aacccaaggg caagatcacc ttctgcacgg gcatccgcgt ggcccatctg 300
 gctctgaagc accgacaagg caagaatcac aagatgcgca tcattgcctt tgtgggaagc 360
 ccagtggagg acaatgagaa ggatctggtg aaactggcta aacgcctcaa gaaggagaaa 420
 gtaaatgttg acattatcaa t 441

<210> 1589
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 1589
 ccagtttgtg cagttccagt agtgactgat tcacattttt ttccaaatgt aatgcacact 60

09520300-073101

```

ccattgcatt cagcccgtc tcccagtcac cacagtctgg tttcttgata tcctgaagga 120
agattcggcc acctcggttg ttctgcagct tcatcagttt ctcagcatgt tccctctcct 180
catgagattg gtgaagaaag tatttggcaa agttcttcaa agccacatca tcgcggtcaa 240
agtagtaaga ctgaaagggg aacactgaat gtgttatact agggatcccc agagacaggt 300
agctgtgacg atctacaggg aggcaagatg gtctcgtcag cctaggcttc ctttctcaaa 360
gcacagcatg aaggaatcag tgcctaagga gactgggggg cagatgagct actggattga 420
acccaagagt aatgtttc                                     438

```

```

<210> 1590
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 1590
gccgccgctt gtgctgcagc catgtctcta gtgatccctg aaaagttcca gcatattttg 60
cgagtactca acaccaacat cgatggggcg cggaataatag cctttgccat cactgccatt 120
aagggtgttg gccgaagata tgctcatgtg gtgttgagga aagcagacat tgaccccacc 180
aagagggcgg gagaactcac tgaggatgag gtggaacgtg tgatcacat tatgcagaat 240
ccacgccagt acaagatccc agactggttc ttgaacagac agaaggatgt aaaggatgga 300
aaatacagcc aggtcctagc caatgggtctg gacaacaagc tccgtgaaga cctggagcga 360
ctgaagaaga ttcgggccca tagagggtcg cgtcacttct ggggccttcg tgtccgaggc 420
cagcacacca agaccactgg ccgccg                                     446

```

```

<210> 1591
<211> 131
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 10, 11, 18, 37, 42, 68, 81, 87
<223> n = A,T,C or G

```

```

<400> 1591
ccagcggccn nccgggcnngg tccacttcca tgccctntcc anaccaggag acacctgctg 60
ctgacctngt ggaaaactta natittnaca ttctgatgct tcggaagtgg tggctcctcc 120
tccctcacc c                                     131

```

```

<210> 1592
<211> 510
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 502
<223> n = A,T,C or G

```

```

<400> 1592
cgacgaagga gtaggtggtg ggatctcacc gtgggtccga ttagcctttt ctctgccttg 60
cttgcttgag cttcagcgga attcgaaatg gctggcggtg aggcaggaaa ggactccgga 120
aaggccaaga caaaggcggt ttcccgctcg cagagagccg gcttgcagtt cccagtgggc 180
cgtattcatc gacacctaaa atctaggacg accagtcag gacgtgtggg cgcgactgcc 240
gctgtgcaca gcgcagccat cctggagtag ctcaccgcag aggtacttga actggcagga 300

```

059E0300-03404

aatgcatcaa aagacttaaa ggtaaagcgt attacccctc gtcacttgca acttgctatt 360
 cgtggagatg aagaattgga ttctctcatc aaggctacaa ttgctgggtg tggtgtcatt 420
 ccacacatcc acaaattctt gattgggaag aaaggacaac agaagactgt ctaaaggatg 480
 cctggattcc ttgttatctc angactctaa 510

<210> 1593
 <211> 554
 <212> DNA
 <213> Homo sapiens

<400> 1593
 aaactttata attactttta tttttttgat aactagaaat ctagtattgc cataaaggaa 60
 actaagtgcc catcaaagat ttgtttggta taaataaaga attatttggt ttgttttcaa 120
 tgacagtaag ctacaaatca tgatgcttaa aaactttcta aagatgaatt gtgtggcagt 180
 gattgggtctg tttgtggaga atgtatgaaa gctattaata ttctagaata gattaataaa 240
 ttggctatgt tgttccaatg aatgtacagc acttccatta acttttgaaa gcaacacagc 300
 cttaaactca atgctttttg tttatgacat gggaatgttc tgtcatcaat ggagtgtatt 360
 cttgtaatag aattctttat atcgttctca attctataga ctttcaagcc tatgtatgaa 420
 tatgaagggg tttttttttt tgctttgttt tctttttaga ttttgtacat tccatcttta 480
 taggtccgtt tcatatgttt tatgtataga acactaagtc ttgcactctc tgacattgat 540
 actgatatat tctc 554

<210> 1594
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 1594
 cctgctggga gaagagaaca tgaatgggaa gctacagaag tattgaagga cagaagaaca 60
 ggaaaatggg caggagagga aaggaaagga aaggaaagga aggtctgaac ttagcaagggt 120
 aaattaagggt ccacggttcc tgagggactg aacgcacaga gccgagaacg tcccggagat 180
 ggggtaccac gaagggtgta ttctcatgca caaccgcagc tcggaatttc agcccacaca 240
 catcccacct tgaactctg tgttatcaag gccctgatg gcctccactg catcctctgc 300
 ccgctccatg tgtacgaagg cataatcttt cacgatgtca cattcgatga ccggaccata 360
 ctctcaaac ttggctcgaa gctccttatt ggtgcagggt ggactgatgt tgcccacatg 420
 caactttgtt gaggttttgc tcttattctt gctggcttcc acgttgatgt tcaccccatg 480
 aagcttgtaa tgggtgcagg tgcgtatggc atcctcag 518

<210> 1595
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 1595
 ccagtaaaat actattgcct catattgtcc tctgcaagct tcttgctgat cagagttcct 60
 cctacttaca acccaggggtg tgaacatggt ctccattttc aagctggaag aagtgagcag 120
 tgttggagtg aggacctgta aggcaggccc attcagagct atggtgcttg ctggtgcctg 180
 ccaccttcaa gttctggacc tgggcatgac atcctttctt ttaatgatgc catggcaact 240
 tagagattgc atttttatta aagcatttcc taccagcaaa gcaaatgttg ggaaagtatt 300
 tactttttcg gtttcaaagt gatagaaaag tgtggcttgg gcattgaaag aggtaaaatt 360
 ctctagattt attagtccta attcaatcct acttttgcga caccaaaaat gatgcacatc 420
 aatgtatttt atottatttt ctcaatctcc tctctctttc ctccacccat aataagagaa 480
 tgttctact cacacttcag 500

<210> 1596
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 1596
 ccatccgctt cctgaatgct gagaatgcac agaaattcaa aacaaagttt gaagaatgca 60
 ggaaagagat cgaagagaga gaaaagaaaag gatcaggcaa aaacaatcat gccgaaaaag 120
 tggcagaaaa gcttgaaggc ctctcagtga aggaggagac caaggaggat gctgaggaga 180
 aacaataaat cgtcttattt tatttccttt tcctctcttt cctttccttt tttt 234

<210> 1597
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 1597
 ccaaccttcc tgtgcccagc ctgcagacag gtggcctctg gtggttccag gatctcacgg 60
 tatccgatcc catctacata ttaccactgg cagtcactgc tacaatgtgg gctgttcttg 120
 agctaggtgc tgagacaggt gtgcaaagtt ctgaccttca gtggatgaga aatgtcatca 180
 gaatgatgcc cctgataacc ttgcccataa ccatgcattt cccacaggca gtgtttatgt 240
 actggctctc ctccaatttg ttttccttgg tccaagtatc ctgtctccgg attccagcag 300
 tacgcactgt acttaaaatc cccagcgtg ttgtacatga cctggacaaa ttacctccac 360
 gggaaggctt cctagagagc ttcaaaaaag gctggaaaaa tgctgaaatg acgcgtcag 419

<210> 1598
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 1598
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tctttagtagc ctacttgccg t 291

<210> 1599
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 1599
 aaaccttttt ggcttaaaca gaatttttagc atcagaacta gctttctggg attggaggca 60
 aacctcaag gtggtccctc tccagtctgg acacgatgcc agcaaggatg acgtcctgcc 120
 acctcctgga gttaccctgg cctcctaggg tcccttttct tgatgaagtc ttaattccct 180
 aaaagcgcc ctttgacac tgaggccctc tctgccttct ctggcctccg gcaacagttt 240
 tttacaaaga ttttttgtag tcgagtcctc atgtccaccc attgattttt 290

<210> 1600
 <211> 294
 <212> DNA
 <213> Homo sapiens

09920300.073404

<400> 1600

```

attaagttca atgtatggga cacagccggc caggagaaat tcggtggact gagagatggc 60
tattatatcc aagcccgatg tgccatcata atgtctgatg taacatcgag agttacttac 120
aagaatgtgc ctaactggca tagagatctg gtacgagtgt gtgaaaacat cccattgtg 180
ttgtgtggca acaaagtggg tattaaggac aggaaagtga aggcgaaatc cattgtcttc 240
caccgaaaga agaatcttca gtactacgac atttctgcca aaagtaacta caac      294

```

<210> 1601

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 171, 180, 197, 215, 376, 404, 420

<223> n = A,T,C or G

<400> 1601

```

tttttttttt ttttttttgt tttttttttt ttaattcttc agctaaaaca gcggaagagg 60
tgatttatta tatggttgtt acactcggcc acaataaac acagaaatag tccagaatgt 120
cacaggtcca gggcagagga ccaacatggg cattttgttt atgagcaagg ngggtctcan 180
aggtgatcgg cgatcanagg gcgatgaagt tctanatcca ttgagacaag ctctagacag 240
tagcatgcag tcccacaact tgtaccagca tccccagcgt ctggcattcc atgtttctgc 300
tctgtgtggc tccacggtgc aacaagctag cggtttactt ggacctctgc ctcatctttc 360
ttcttttgcg cttcancctg cgcattcgct tcttcctcca cttingctctc atggcgggcan 420
aggtttccaa aaaaaa                                435

```

<210> 1602

<211> 319

<212> DNA

<213> Homo sapiens

<400> 1602

```

gacgctctca gctctcggcg cacggcccag cttccttcaa aatgtctact gttcacgaaa 60
tcctgtgcaa gtcagcttg gaggggtgatc actctacacc cccaagtgca tatgggtctg 120
tcaaagccta tactaacttt gatgctgagc gggatgcttt gaacattgaa acagccatca 180
agaccaaagg tgtggatgag gtcaccattg tcaacatttt gaccaaccgc agcaatgcac 240
agagacagga tattgccttc gcctaccaga gaaggaccaa aaaggaactt gcatcagcac 300
tgaagtcagc cttatctgg                                319

```

<210> 1603

<211> 309

<212> DNA

<213> Homo sapiens

<400> 1603

```

ctgcctgggc ccggaagggc tttggttctt tctctgggtc tgattttctc actgaactcc 60
accgaccaac tgccctaagc ccccaaggcc tccagggccc aggttcgaga cccaaacccc 120
caaaatccaa aacttctctt gaaaagttca gggaccgtcc aggggagatg gggaggagat 180
atggagttag tcacctgctc cagaagatgc cagcttctct ctccagggtg cttagttggc 240
tttgccacc cctcactccc caggagagctc tggggacagc ttcctcacac cctgtcccca 300
cccacacag                                309

```

<210> 1604

0920300 073101

<211> 424
 <212> DNA
 <213> Homo sapiens

<400> 1604
 ctggataagg acatcaatac cttctctatg cgtgtcaggg agtgggtacgg gtatcacttt 60
 ccggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagttttatt 120
 ggaaaccgaa gggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180
 ggggccaaagg ctaaggctat tctggatgcc tcacggtcct ccatgggcat ggacatatct 240
 gccattgact tgataaacat cgagagcttc tccagtcgtg tgggtgtcttt atctgaatac 300
 cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360
 gccctaattg gggaagcggg aggtgcacgt ctcatcgac atgctggcag cctcaccaac 420
 ctgg 424

<210> 1605
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 430
 <223> n = A,T,C or G

<400> 1605
 ctggatgtga gagacaacat ggtgaaactt aatgatggct ctcaaataac ctatgaaaag 60
 tgcttgattg caacaggagg tactccaaga agtctgtctg ccattgatag ggctggagca 120
 gaggtgaaga gtagaacaac gcttttcaga aagattggag actttagaag ctgggagaag 180
 atttcacggg aagtcaaatac aattacgatt atcgggtggg gcttccttgg tagcgaactg 240
 gcctgtgctc ttggcagaaa ggctcgagcc ttgggcacag aagtgattca actcttcccc 300
 gagaaaggaa atatgggaaa gatcctcccc gaatacctca gcaactggac catggaaaaa 360
 gtcagacgag aggggggttaa ggtgatgccc aatgctattg tgcaatccgt tggagtcagc 420
 agtggcaagn tacttatcaa gctgaaagac ggcaggaagg tagaaactga ccacatagtg 480
 gcag 484

<210> 1606
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 1606
 ctgtgatgtc ttggagaaac agtgtaaacc ggcagtgtaa agaagagcag ggcatgtatg 60
 agtagttgag aacggtgaac gggagtatga ctaacagatg aggatgaaat ttgggcttca 120
 ctgaagtaat gggggctgtc tgtgaagcct tgtggcagtg cagcccaggt aatttgttga 180
 gcctaattggg tgtcagggtc agtctaagtg aaggcaaaga gaggctggga tgaaggggtgc 240
 aaagcaatag taaagaaagc atgtctgaga tcc 273

<210> 1607
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 1607
 cacaaagcca gggccaggct ccccatccct acctcccact gcatcagcag tgggtgttcc 60

00502660 073101

```

tgccttccct gagtctaggc agctctgctg ctgtgatctg cacaccctcc aacctaggca 120
gggactgggg ggatgcagtg tgtgttagtg cccatgtggc attgtggcac tgttgccccc 180
catggcggca tgggcaagat gaccttccat tagcttcaag tcttgttctc ttgtctgtgg 240
tctgtttaat atgtgggtca ctagggtatt tattctttct cccatcctta cactctggat 300
cattgtgcag acttaatcag ggttttaacg ctttcatttt tttttttttt gagctcaaag 360
agagttctca ttttccctat tcaaactaat acccatgccg 400

```

```

<210> 1608
<211> 279
<212> DNA
<213> Homo sapiens

```

```

<400> 1608
aaataccatc ctttgtctcc gttaaaagat tttcatccat ttattcaaaa accttttaag 60
ttcaactgtc caatttaaga cagagtgaag acatttttga gtatctgaac taagcattgt 120
cttgactgaa acgaagtaag aactcaatga gagtccttgt gggcctccca gtcatgcctt 180
tccgtagata ggggaacttca tctttgttgg tcatcacgcc tgctatgtct aaatgtgccc 240
acttaggatg agttacgaat tctttcagga atgctgcag 279

```

```

<210> 1609
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<400> 1609
gtttttatc aataggtaaa acgtgcagtc ctatgtaatc gtcagaaggt aatcttaatt 60
atagcttggg tgtgctttta actgcaagct ggcagtggag ggcacgattc ctctgatttc 120
agctttctcc ttatactttt ctggagctgt gagctgcaag ttaactcagt gggattaaag 180
tgtagactgg aggtacaaaa ggtgaggagt gaggagatag ggtagtctct ccttggtctg 240
ctggcttcat aatccctggg ccccgagat aattaaatcg actttttctg tctcaggcat 300
ttgtatgacc tctttggagg ttccctgctg ggtagtattc cttgtatctg atggacccat 360
ctcaattt 368

```

```

<210> 1610
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<400> 1610
ccatgctggg ctggaactcc tgaccacatg tgggtccacc accttggcct caattatgtg 60
cattttggta tattttacttg tattttcaaca tcttgtgagt ttgaaaaacc tgaaaggcca 120
gaatgcttcc ttttattttc caccatttgg gcagcaccta agtggttttg taaaatgcag 180
catctgggtg tgtgggtctc tctcagg 207

```

```

<210> 1611
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 427
<223> n = A,T,C or G

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09920300 "073101

<400> 1611
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggtg tggagagata atgggcatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gaggcctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgcgtatag 240
 aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggaagatac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtccctgccag caaagattat 420
 ttacttnaag agttaagagt ggcagtttgg ggatagcacc 460

<210> 1612
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 1612
 aaaatgtgaa ccttcaggta ttgagtaaca cctttatctt ggtatagaac tgatactttt 60
 ttttgatttt gaaatatctg ataataattt ggaatgaagt aagggttctgt taaaatatat 120
 ttgaagaccc ttt 133

<210> 1613
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 1613
 cctagcagag aatcaccaaa tttatggaga gttaacaggg gtttaacagg aaggaagtgc 60
 ctttagtaag ttctcaagcc agaggctgga ggcagcagct aaatcagagg acagcatcct 120
 cagtgaagt gagccattcg ggggtggcatg tctctccagg aataaacaca acttagaaac 180
 aaatgatttc gtaggatagc acagtgcact ggtgcactgt gaacctgagg cactgtgtgc 240
 aaactgtgca ctgggtgtga atagggagag ccaaaaatta tgcctactg gtaatgagct 300
 ttcaatggct cgatcctctc aactgaagc tctgtagagc agctcagagc cacaaccact 360
 cccaacattg acccttctgg gggtagctgt ctgtggcagc ccacaggaag gagctggaga 420
 tccccattag gactgtccac ccacacttga agccacaaaa ctgcagggat tggggctctc 480
 actggtttgg tcgcctaact cccgcctaaa aggccacaaa tttc 524

<210> 1614
 <211> 410
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 381, 391
 <223> n = A,T,C or G

<400> 1614
 ctggataagg acatcaatac cttctctatg cgtgtcaggg agtggtagcg gtatcacttt 60
 cggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagtttatt 120
 ggaaaccgaa gggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180
 ggggcccaagg ctaaggctat tctggatgcc tcacggctct ccatgggcat ggacatatct 240
 gccattgact tgataaacat cgagagcttc tccagtctgt tgggtgtctt atctgaatac 300
 cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360
 gccctaattg gggaagcggg nggtgcacgt nttatgcac atgctggcag 410

<210> 1615
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 1615
 ctgtttgtgaa aagatgaagc aaaggaggca agaaaatgct taatttagca gacaagagaa 60
 tggacagtgt gatccttggt tgtgctagcc attgggtgat gcaccac 107

<210> 1616
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 129, 133, 221, 255, 346, 389
 <223> n = A,T,C or G

<400> 1616
 aaattnttgt ttaacttttt ttttttttga gacagagtct cactctgttg cctaggctgg 60
 aggacagtgg cacaatcatg gctgattgca gccttgacct ccttgactca attgatcctc 120
 ccatctcanc ctnccaagta gctagggcta cagacatgtg caaccatgtt tggctaattt 180
 ttttaattgt tttttgtaga gatgaggctt tattatattg nccaggctgg tcttgaattc 240
 ctgggctcaa gcttnccaag tagctgcaac aacaggcaca caccaccatg ctcaactaat 300
 tttattttcta ttttttgtat agacaggggc ttgctatagt gtccangctg gtctgaaacc 360
 cttgagctca agtgatcttc ccacaccanc ctcccaaaat actgggatta caggcttgag 420
 cctccatgcc tggcccagggt aacatgttta ttgagct 457

<210> 1617
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 1617
 aaacattaga aagtgggaaa aaaaattcca ttttcttgtc attataagcc aaaacaaaat 60
 ctagtgtgtaag tcaaggaaac tcattcacac ttcaggctct tctcctccag gaaccagcat 120
 tgttatatta ttccatttta gcaaaatctg atctaattta gtaatccttc ttccttctgg 180
 tgtgatttca aactcagtga catcttcag taccatattg acaaagtcac caaatcctag 240
 aagagtacca acaatttctt tatcactctt catcacgatg tgaattcttg atcctatata 300
 tttgtccaca agctctaacg gcagcag 327

<210> 1618
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 1618
 ctgagccagg ccgaaggacc tccatgcact ggctcggggg cctctctcgg gacactcagc 60
 actttctcta gcgtcctcca tctcactggg cagaggacag cccggaagcc tttttcactt 120
 tttcaaagta aactgctatc ttaagacaca aaaacatact tgtgggg 167

<210> 1619

09920300 073401

<210>	1622
<211>	498
<212>	DNA

<213> Homo sapiens

<400> 1622

```

ttgccttgca ctgtggttac cataaaataa ctctcattgg catccaagct ttataaaaac 60
atcttcattt tgctcaaaaa gggcagtcac tagatacaga gaagccaaac tgaacagcct 120
caataaaata aaattaacac cagcagcgaa tctctctgct gaagacttcg gctagagggc 180
acgtgcacca aagttctagg ctgttaaggg gccacccaca caccgtcctc gccttgaaca 240
caccagcttg gaaatcagtt atggatttta atggcctttt caaggtaagt gtagcgactc 300
ctctttgggg ctttggtgaa gtggtcgagc cctagccaag gccgaggatg agacatatta 360
ccgggctgtg gctcaaagtc tttcaaattt acttcatact cgtcttcatt tatgtactgg 420
tgtcggccca tcattacaat tgcaaattta aacttctcaa actccttctc ctggatgtcc 480
agcaggctct ggattcgc                                     498

```

<210> 1623

<211> 197

<212> DNA

<213> Homo sapiens

<400> 1623

```

ccaaggaccg caagagccgc aagaagcctg tggagggtgaa gaaggggcaaa gaccccaatg 60
cccccaagag gcccatgtct gcatacatgc tgtggctcaa tgccagccga gagaagatca 120
agtcagacca tcttggcatc agcatcacgg atctttccaa gaaggcaggc gagatctgga 180
agggaatgtc caaagag                                     197

```

<210> 1624

<211> 489

<212> DNA

<213> Homo sapiens

<400> 1624

```

aaaaaaaggc cccaggggca agttatttac agtttaattg ccaactgtcaa ctgatctgga 60
ccttgatcgg gaccgggacc tctggcgatc cacagatgct ggagacttag atctacttga 120
agaaccacgt ttctggctct tctcaggcac gggagaccta ctaacagaac gggacttgct 180
ccggctccgg ctctgtctcc tgcttcttga ccggctgtaa gatttgcgac tacgggaacg 240
ggatcggtca cgagacctag aggaacttct ggtccgggat cgagacctgc ttcttgacct 300
actgtgcctt ttgctgcctt caattaattt tatttttctc ccatttattt cctttccaga 360
aagtttttca atagcattct ttaagtcacc ataagaggca aactcaacca ccccttcatt 420
taatttaggt cgggtgtgcat ccgcaaacgt tacttcccca gcttgtctca tgaaatcttt 480
gagatcctt                                     489

```

<210> 1625

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1625

```

aaaaaacacg tttgttatta ccaaaaagag acgtcttttag gtaaaaataa taaaaacccc 60
atgctgcata gataatgcag atagttctat ttatctgggtc aacgggcaaa aagcaagcac 120
tttaggtct                                     129

```

<210> 1626

<211> 434

<212> DNA

<213> Homo sapiens

05920300.073404

<400> 1626

```

aaagaaatgg tgccttgctc tgtgtttgtg ctccctgattt ccctggaggt tctggatgaa 60
ggctgaacac aggccttgta atgtcagtcgt gtgctgagga cctcagggac ttgaggttgc 120
atctttgagc atgggggtgca ggagcctttc tggatttgga tgtggctatg gaaagaacac 180
agaagccaag gtcattgtgca tgaaatgagg agtttgagtt agtcacctcg gggatttttt 240
ccattttgca gtaaaatggt aaattaatgt agcctgcctc tatttggttg gcaggtaatt 300
tcaaaggggt atttgcctca tctcctatct ttagtgaaat cttatgtgta attgtgtgta 360
tttattccac cgtgggaaca gagaatacct gtttagtggt gcactttaga ctgggtgtctg 420
ttttgttaat gcag 434

```

<210> 1627

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1627

```

ccaccctcag ggttcaaaga gactggccca ggggtacaca attgctggaa tattctctgc 60
gagtcattgca cacgtgcggg ggtgaggtgc agttatatgg tgacacacac agtggttactg 120
tgagctctca ggggtgcacag agggcaggtg acaagggcat cagctaattc gtcccacctg 180
gtccagccca tccagttcag gggcatcaag ggggctgagg ccccggtagc cactgtagac 240
cctgtgacta tcaactgacac cgtcactggg ctccattggg caaatgtagt ccgtcgattc 300
atcgaacttc ttttttctta tgtttccgaa gtgtgaaaat cctagtttcc ttggccggac 360
tttggtctgt gtggtcagtg gtgtgtaagc tggtgaggcc attttctctc gcttttctctg 420
ttcagcctcc gg 432

```

<210> 1628

<211> 421

<212> DNA

<213> Homo sapiens

<400> 1628

```

ccaattgaaa caaacagttc tgagaccgtt ctccaccac tgattaagag tgggggtggca 60
ggtattaggg ataataattca ttttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttaggggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
t 421

```

<210> 1629

<211> 462

<212> DNA

<213> Homo sapiens

<400> 1629

```

aggatctttg atagttgaga aaattatgca aagttcctca gaagttgggt atgatgctat 60
ggctggagat tttgtgaata tgggtgaaaa aggaatcatt gacccaacaa aggttgtgag 120
aactgcttta ttggatgctg ctggtgtggc ctctctgtta actacagcag aagttgtagt 180
cacagaaatt cctaaagaag agaaggaccc tggaaatgggt gcaatgggtg gaatgggagg 240
tggatatggga ggtggcatgt tctaactcct agactagtgc tttaccttta ttaatgaact 300
gtgacaggaa gcccaaggca gtgttcctca ccaataactt cagagaagtc agttggagaa 360
aatgaagaaa aggtctggctg aaaatcacta taaccatcag ttactgggtt cagttgacaa 420

```

05920300.073104

aatatataat ggtttactgc tgtcattggc catgcctaca ga

462

<210> 1630
<211> 220
<212> DNA
<213> Homo sapiens

<400> 1630
ccttgccggc atcctccttg cctctgtacc ttctcttccc atgtgtgaac gggatgtacc 60
ggtacttaat catgtgcttg atttgccctt tcatcgtgat acagaagagc atgatgaagt 120
acatcaccag aatcggccag aacaccggga cgttgaaagc gtcgaagaaa gtacagacca 180
tagccacaag gatgcccttg gtagccgcat gccaaaattt 220

<210> 1631
<211> 504
<212> DNA
<213> Homo sapiens

<400> 1631
ccatcccctt atgagcgggc gcagtgatta taggctttcg ctctaagatt aaaaatgccc 60
tagcccactt cttaccacaa ggcacaccta cacccttat cccatacta gttattatcg 120
aaaccatcag cctactcatt caaccaatag ccctggccgt acgcctaacc gctaaccatta 180
ctgcaggcca cctactcatg cacctaattg gaagcaccac cctagcaata tcaaccatta 240
accttccttc tacacttata atcttcacaa ttctaattct actgactatc ctagaaatcg 300
ctgtcgcttt aatccaagcc tacgttttca cacttctagt aagcctctac ctgcacgaca 360
acacataatg acccaccaat cacatgccta tcatatagta aaaccagcc catgacccct 420
aacaggggcc ctctcagccc tcctaatagac ctccggccta gccatgtgat ttcacttcca 480
ctccataacg ctctcatac tagg 504

<210> 1632
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 315
<223> n = A,T,C or G

<400> 1632
cacggtggct cacgcctgta atctcagcac tttggaaggc cggggcaggc ggatcacgag 60
gtcagaagat cgagaccatc ctggctaaca cagtgaagcc ccgtctctac taaaaatata 120
aagaattagt cgggcatggt ggcgggcgcc tgtagtccca gctactcggg agactgaggc 180
agaagaatgg cgtgaactca ggaggcggag cttgcagtga gccaaaggcga cagagcaaga 240
ctctgtctca aaaaataaaa aatagtgcac tgtccttcga gaaagttttc taacatctag 300
taatttgtaa cttanaagtg gagttgcctt gtggatgtct tttttgcatt ctgtaggaaa 360
tgaaacgtga atttaactcg ggttgcaaga aataaaaatg tcagtgcatt t 411

<210> 1633
<211> 403
<212> DNA
<213> Homo sapiens

<220>

05920300.073104

<221> misc_feature
 <222> 181, 375
 <223> n = A,T,C or G

<400> 1633

```
cctgctggag aacagtgggtc agatctgctg gctcacttgg ggaacacagt gaccacttca 60
taaccctcag gtggtgtgac tcgctcccgg gcatgcttct cacagtagat ttgatccctcc 120
acaaagaaat ggcccttctg tttcagggtt gtgccacagt cagtgcacac ataacactca 180
nggtggcggt gacggtcccg cagcttcaca aacacaccaa caatcccagt gccacatttg 240
tcacacatag gcaacttctg agcatttcca atcgacgcag ccactttagt gacaggagct 300
ttaacacttc tgaatcctga gggcttggtt ggatcccctt tttcttcaga ctccaggatt 360
tcctgcaaaa ccaanaaaga cgtggactgt ttcgggggct cat 403
```

<210> 1634
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 1634

```
aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcac attggcgggc cagcctcat tacgattcgc 120
ctgcttgctt ctctgttcca atcgcttctt tgggaaggcag tggatttttc tcttgctgct 180
ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg gggttgctcag 240
acatgggtgc ggaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctgggtctgcg 300
cagtggcca 309
```

<210> 1635
 <211> 414
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 401
 <223> n = A,T,C or G

<400> 1635

```
gtgtgtgtgt gtgtgtgtac gtgtgctgtg tgtgcatgtg ctgtgtgcat gtgtgtgctg 60
tgtttgtgtg tgtgctgtgt gtgctgtgtt cgtgtgtgct gtgttcgctg gtgtgtgctg 120
tgtgtgcatg tgtgtgctgt gtctttgtgt gtgtgctgtg tgctagtgtg ctgtgtgtgc 180
atgtgtgtgc gtgtgctgtg cgtttgtgtg ctgtgtgctc gtgtgtgtgc tgtgttcatg 240
cgtgtgctgt gtgttgtgtg tgtgtagctg cggggatgca taaagtatga gtgcttttta 300
ggatgggaat tgggatgtaa gatttggggg tgagggtcgt gccaatata tttcatttgc 360
atggattttg gttttcatgc tctgtcctgc acatcactca ngatttcaat ggtg 414
```

<210> 1636
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 1636

```
aaaggaagcc agcaccatag cagagtacat aagtggctat cagagaagcc agccgatatg 60
gatt 64
```

05920300.073404

<210> 1637
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 1637
 ccagagcacg tgaggatctg caaaaaatga aacaatttgc tcaggatttt gtgatgcaca 60
 cagatgtcag aacctgctcg tcatctacta gtgtcattgc ggacctccag gaggatgagg 120
 atggtgttta ttccagctca tacgggcatt atgggataca tgaagaaatg ctaaaggaca 180
 aaatacgaac agaaagctac cgagatttca tataccaaaa tccacatatc ttcaaagaca 240
 aggtagtttt ggatgttggg tgtggaactg gaattctctc tatgtttgct gctaaagctg 300
 gggcgaagaa ggttcttgga gttgatcaat ctgaaatact ttaccaggca atggatatta 360
 taagactaaa taaacttgaa gatactatta cactaattaa aggaaagatt gaagaagttc 420
 atcttcctgt agaaaaagta gatgttatca tatctgagtg gatgggctat tttcttctgt 480
 ttgagtctat gttagattct gtccttttatg caaa 514

<210> 1638
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 1638
 cctgtgacaa gccacactgt cctccagaac ccatcgagct ttaggcaaaa tgtttttaggc 60
 atctgactaa ggagcccacc cgagtatgag taacagaagc caagatctga gctttctaga 120
 gggcagggcc tctttctagt cccagcctc ttctgtgct tgt 163

<210> 1639
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 404
 <223> n = A,T,C or G

<400> 1639
 cctactttga aaacgactgc tgggtcaggt acttcctgca cacaggccac ctgaccattg 60
 caggctgcaa aatgtcaaag tcactaaaaa acttcatcac cattaaagat gccttgaaaa 120
 agcactcagc acggcagttg cggctggcct tctcatgca ctcgagggaag gacacctgg 180
 actactccag caacaccatg gagtcagcgc ttcaatatga gaagttcttg aatgagtttt 240
 tcttaaatgt gaaagatatc cttcgcgctc ctgttgacat cactggtcag ttgagaagt 300
 ggggagaaga agaagcagaa ctgaataaga acttttatga caagaagaca gcaattcaca 360
 aagccctctg tgacaatgtt gacacccgca ccgtcatgga aganatgcgg gccttggtca 420
 gtcagtgcaa cctctatatg gcagcccgga aagccgtgag gaagaggccc aaccaggctc 480
 tgctggagaa catcgccctg tacctcacc atatgctgaa gatcttt 527

<210> 1640
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

05920300 "073101

<222> 17, 262

<223> n = A,T,C or G

<400> 1640

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attaggtttt ggcacanagc aggcgcctta tggaatgcag acacagaatt accccaaagg 60
cggcctcctg gacagcatgt gtccggcctc cacaccacagc gtactcagct ctgagcagga 120
gtttcagatg ttccccaagt ctcgggtcag ctccgtcagc gtcacctact gctctgtcag 180
tcaggacttc ccaggcagca acttgaattt gtcaccaaac aattctggga cgcccaaaga 240
ccacgactcc cctgagaacg gngcggacag 270
```

<210> 1641

<211> 495

<212> DNA

<213> Homo sapiens

<400> 1641

```
ctgatgtatt ttaatctggt tctgttctat cttgtaatta atttggtggg ttctacttgt 60
tttaacataa ataaagagta tgcagcacgt ttaataaaat cagaactctt aattggctta 120
tgccaggtc taggctgaga agtcctttt cttcttccca cttttatttc cttagtttct 180
gtccacctta atcgaaacaa cacatgggta tgtctttttc ctgctacaac tacagggtac 240
ttgagccttt cccctcaagt gcattcgaag tcaccagga tgatcctcac tagtagcctg 300
ctttggcagt gtggcttttt gcacacttgc cctgtcttcc tgagactact tcagtaagcc 360
atgcttcctt cttcccccact tttatttggt gtcataaata gaaacttcca aatgtaacca 420
tggaagctaa gtttggcctg ctttgctttt tagtctccac accatgggca gaactgctgt 480
ctttactact tcatac 495
```

<210> 1642

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 407, 486

<223> n = A,T,C or G

<400> 1642

```
gcctgagcgg ggaagcccg c aaacaggtgg aggtcttcag acagaatctt ttccaggagg 60
ctgaggaatt cctctacaga ttcttgccac agaaaatcat atacctgaat cagctcttgc 120
aagaggactt cctcaatgtg gctgacttga cttccctcog ggccccactg gacatcccca 180
tcccagaccc tccacccaag gatgatgaga tggaaacaga taagcaggag aagaaagaag 240
tccctaagtg tggattttct cctgggaatg agaaagtct gtccctgctt gccctgggta 300
agccagaagt ctggactctc aaagagaaat gcattctggt gattacatgg atccaacacc 360
tgatcccca gattgaagat ggaaatgatt ttggggtagc aatccangag aaggtgctgg 420
agagggtgaa tgccgtcaag accaaagtgg aagctttcca gacaaccatt tccaagtact 480
tctcanaacg tggggatgct gtgg 504
```

<210> 1643

<211> 372

<212> DNA

<213> Homo sapiens

<400> 1643

```
ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
```

0950300.073104

cattttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tggtaggcatt 300
aaagaagaca ctgaagaaca tcacctaaga gattattttg aacagtatgg aaaaattgaa 360
gtgattgaaa tc 372

<210> 1644
<211> 462
<212> DNA
<213> Homo sapiens

<400> 1644
ctggagctga ctttttttga ttttctcatc cagccatcca caacctgac cagagctgtc 60
caggagctcg aaaatgcatc aattaccagt gggtgaaatt tgatgtgtgc aaacctggag 120
atgggcagct acctgagggg ctgccggaga atgatgcagc tatgagcttt gaagcctttc 180
agagacagat ctttgatgaa gatcagaatg atcccccttct gccaggatcc ttggacctcc 240
cagagcttca gcctgcagcc tttgcgtctt cttaccagcc catgtacctg acacatgaac 300
ccttggtaga tactcacctg cagcacttga agtctccatc acagggtagc ccaattcagt 360
cttcagattg aacaagaagg gatcagatgc cacatcgttt ttgtcgtgat taatttaact 420
taaaactaaa ttttgggtat atgaaagaag gcagcaattc ag 462

<210> 1645
<211> 479
<212> DNA
<213> Homo sapiens

<400> 1645
ccagggtctg gaagggccct gggagcgccc accccctctg gatgagtcg agagagatgg 60
aggctctgag gaccaagtgg aagaccagc actaagtgag cctggggagg aacctcagcg 120
cccttcccc tctgagcctg gcacataggc acccagcctg catctcccag gaggaagtgg 180
aggggacatc gctgttccc agaaaccac tctatcctca ccctgttttg tgcttttccc 240
ctgcgctgct agggctgcgg cttctgactt ctagaagact aaggctgggc tgtgtttgct 300
tgtttgcccc cctttggctg ataccagag aacctgggca cttgctgcct gatgccacc 360
cctgccagtc attcctccat taccagcg ggaggtggga tgtgagacag cccacattgg 420
aaaatccaga aaaccgggaa cagggatatt cccttcacaa ttctactccc cagatcctc 479

<210> 1646
<211> 234
<212> DNA
<213> Homo sapiens

<400> 1646
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
caagatcctg agtgacatgc gaagccaata tgaggatcat gccgagcaga accggaagga 180
tgctgaagcc tggttcacca gccggactga agaattgaac cgggaggtcg ctgg 234

<210> 1647
<211> 457
<212> DNA
<213> Homo sapiens

<220>

05920300.073101

ggctggtctc	gaactgtctt	caagtgatcc	acccacctcg	gcctctcaaa	gtgctgggat	60
tacagtcgtg	agccaccgcg	cctggctatg	tgaagatttt	gaggcacgct	gancctacac	120
angcaggtng	cgggtgcagc	actccagcnc	ttctctgaca	ttaggttaca	ctcaacttct	180
ctggcacctc	tctgtgcag	ccaactgaat	gttttgaggt	ttctcctttc	ttattcttcc	240
tttgaagaa	cccaaacagc	tcattctctg	gtataaaatt	gaaaacattt	ttgctgaata	300
ttatat						306

<210> 1650
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 1650
 aaaaagaaaa gttgaattat ggtttccaga gctttaggag tccatcttca ctgtaggtag 60
 caatcagggt ctgatgaggg tgatgtgcaa taccaatcac atccttctcg tgcactgtca 120
 aagttctctc cagtttgcca gtgactgtac tgaaacagta gagcacaaag ccctccccta 180
 cacagtagat ccattcacca cggggagaga gggcacagca aacaaagtcc ccaccttctc 240
 ttttaccaga actgaagctt ctgacaatct gccctgcat gttcatgatg accaccgtgt 300
 ttgatctgtt gcacaccaca aagtgtctag ggtttttagg aagtagaatc acactgttga 360
 cgtaatatc tgtccctgcg gtgctgccc gggattt 397

<210> 1651
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 1651
 ctgggcttcc atcaatagtt cattcacttc tggactaaca ccatggaggg ggatacaact 60
 tcgtccagtt gagaaggggg agtgcaaata tgaggttctg ttgtcccagt catcaggcaa 120
 agaaaatgat gttgtgccag gaggttgaga taccttgttt gtgtctgaca cctgtcctgc 180
 tgaggcttgc catctgctat ataacagtcc tgagcccact cgatcttgca caaatttaag 240
 attccctgac gaaagcagtt gctgggctct gtgctgccag ttcacgggtt tttcaatcat 300
 atatcgaagt gcatctccct caggaaggcg aactcggata cgctgaaggg aggcgagcag 360
 gggcagaatt ttctctaata gaggtttctc tgacctccga caatggggac aaagccagat 420
 tcgcaggccc tgtgaaatac tgggtaccgc cacacaactg gtgtggaaag catccctgca 480
 gagttcacat tgaatcatag gggcag 506

<210> 1652
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 1652
 caccattatg cagaatccac gccagtacaa gatcccagac tggttcttga acagacagaa 60
 ggatgtaaag gatggaaaat acagccagggt cctagccaat ggtctggaca acaagctccg 120
 tgaagacctg gagcgactga agaagattcg ggcccataga gggctgcgtc acttctgggg 180
 ccttcgtgtc cgaggccagc acaccaagac cactggccgc cgtggccgca ccgtgggtgt 240
 gtccaagaag aaataagtct gtagg 265

<210> 1653
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 1653
 cttagcggct gctgttggtt gggggccgtc ccgctcctaa ggcaggaaga tggtgccgc 60
 aaagaagacg aaaaagtcgc tggagtcgat caactctagg ctccaactcg ttatgaaaag 120
 tgggaagtac gtcctggggg acaagcagac tctgaagatg atcagacaag gcaaagcgaa 180
 attggtcatt ctgcctaaca actgccagc tttgaggaaa tctgaaatag agtactatgc 240
 tatgttggtt aaaactggtg tccatcacta cagtggcaat aatattgaac tgggcacagc 300
 atgcggaaaa tactacagag tgtgcacact ggctatcatt gatccagggtg actctgacat 360

364

```

<400> 1654
ccagatccat tttcagtggg ctggattttct ttttattttc ttttcaactt gaaagaaact 60
ggacattagg ccactatgtg ttgttactgc cactagtgtt caagtgcctc ttgttttccc 120
agagatttcc tgggtctgcc agaggccag acaggctcac tcaagctctt taactgaaaa 180
gcaacaagcc actccaggac aagggtcaaa atggttacaa cagcctctac ctgtcgcccc 240
agggagaaag gggtagtgat acaagtctca tagccagaga tggttttcca ctcttcttag 300
atattcccaa aaagaggctg agacaggagg ttattttcaa ttttattttg gaattaaata 360
cttttttccc tttattactg ttgtagtccc tcacttggat atacctctgt tttcacgata 420
gaaataaqqg aggtctagag cttctattcc ttgg 454

```

```
<400> 1655
aaattatgga agtggaaatt acaatgattt tggaaattat aaccagcaac cttctaacta 60
cgggtccaatg aagagtggaa actttggtgg tagcaggaac atggggg      107
```

<400>	1656					
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gcagacacaa	tgctgtattt	cttctcccag	tcacctgatg	agccagcagt	atagaccata	120
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<220>
<221> misc_feature
<222> 41, 156, 236, 344, 421
<223> n = A,T,C or G
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<400> 1657
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caaaggcact ttcaaataca gaactacttg tacgtnatca taaaaccaat atacaaaaaac 180
aactcaagag tcaataaata taaataaaaac tatgatctaa gactgcatca ccatnnggac 240
atctggcaga agtgggagct caaagaccag ggggctgggc aggcctcctgg gagcctgatc 300
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<210> 1658
<211> 456
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 441
<223> n = A,T,C or G

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<400> 1658
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cgccctcttg gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
cacaccctta atggcagtgga tggcaaaggc tattttccgc cgcccatcga tgttggtgtt 420
gagtactcgc aaaatatgct ngaacttttc agggat 456

```

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<210> 1659
<211> 476
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 10, 13, 16, 31, 50, 61, 106, 276, 366, 400, 413, 433
<223> n = A,T,C or G

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<400> 1659
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gggtggttca ttttctctgg ccttttgcta ctcaaagtaa agtactagga gtcctaagaa 240
atgttctgtt cttgtacatt atactgatta agtcangatt aatttgattt caaagctgag 300
aacagtggta aaaactcgtt tacagaaatg cattttggaa gagaaaaata ctgtaaaacg 360
tgtcngaat gtttcttcag tttcttggtc agccaatgan gaaagggcat tgnctttctt 420
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```

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<210> 1660
<211> 116
<212> DNA
<213> Homo sapiens

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<400> 1660

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<210> 1661
<211> 386
<212> DNA
<213> Homo sapiens
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<210> 1662
<211> 364
<212> DNA
<213> Homo sapiens
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<210> 1663
<211> 5265
<212> DNA
<213> Homo sapiens
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<400> 1663						
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<210> 1664
 <211> 911
 <212> DNA
 <213> Homo sapiens

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<400> 1664
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gataaccttg aaaaaaaaac gtggatcaca aagtggaaacg aaaatgaaag ctactcatag 840
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<210> 1665
 <211> 2013
 <212> DNA
 <213> Homo sapiens

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<400> 1665
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<210> 1666
<211> 451
<212> DNA
<213> Homo sapiens

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<210> 1667
<211> 3149
<212> DNA
<213> Homo sapiens

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<210> 1668

<211> 408

<212> DNA

09920300.073401

<213> Homo sapiens

<400> 1668

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<210> 1669

<211> 576

<212> DNA

<213> Homo sapiens

<400> 1669

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ccttctctcc tacctcccag gagtatgtaa ctcagatcct tagcataaag atccccagga 60
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<210> 1670

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1670

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tccattcagg taaaaggacc ttagcttact gaaggatcta aagagcaaag caaagatctc 600
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<210> 1671

<211> 2442

<212> DNA

<213> Homo sapiens

<400> 1671

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<210> 1672

<211> 1256

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 683, 917

<223> n = A,T,C or G

<400> 1672

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<210> 1673
 <211> 1035
 <212> DNA
 <213> Homo sapiens

<400> 1673
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 tgtcttgggt gctgtgggga acggaaaagg agctgcagggt ttttctattg ggaaagctac 360
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 aaaaaaaaaa aaaaa 1035

<210> 1674
 <211> 754
 <212> DNA
 <213> Homo sapiens

<400> 1674
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aatagaaaaa cctgcagctc cttttccggt cccacagacc accaagacac ggatcgattt 180
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<210> 1675

<211> 350

<212> DNA

<213> Homo sapiens

<400> 1675

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<210> 1676

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 200

<223> n = A,T,C or G

<400> 1676

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gtccatggca caccaccaac ttttcagtag tgttaccatg cccacctctg gcttccctta 480
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<210> 1677

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1677

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ctcaaaacct cactatttta tggagtgcct ttgtctctac ttgaattgag ttttttccct 60
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aggaaccttt aaaagcttcc tccagtggaa tgccttaggg gtcctcccat ttctgagaca 180
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<210> 1678
 <211> 1275
 <212> DNA
 <213> Homo sapiens

<400> 1678
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<210> 1679
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 1679
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<210> 1680
 <211> 2642

<212> DNA
<213> Homo sapiens

<400> 1680

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<211> 1513

<212> DNA

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 1688

<211> 4932

<212> DNA

<213> Homo sapiens

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<210> 1689

<211> 1009

<212> DNA

<213> Homo sapiens

<400> 1689

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<210> 1690

<211> 3073

<212> DNA

<213> Homo sapiens

<400> 1690

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<210> 1691

<211> 985

<212> DNA

<213> Homo sapiens

<400> 1691

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<210> 1692

<211> 424

<212> DNA

<213> Homo sapiens

<400> 1692

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<210> 1693

<211> 2268

<212> DNA

<213> Homo sapiens

<400> 1693

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<210> 1694
<211> 384
<212> DNA
<213> Homo sapiens

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<210> 1695
<211> 581
<212> DNA
<213> Homo sapiens

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<222> 556
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<210> 1696
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<212> DNA
<213> Homo sapiens

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<210> 1697
 <211> 200
 <212> DNA
 <213> Homo sapiens

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 tcgtgtggtc ttgacagcta ctgacttggc ctgcaggggc gtgctccaga agtcatcgac 180
 ctgctcaggg gccccgtagg 200

<210> 1698
 <211> 462
 <212> DNA
 <213> Homo sapiens

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<210> 1699
 <211> 1752
 <212> DNA
 <213> Homo sapiens

<400> 1699
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tctgccaatg tc 1752

<210> 1700

<211> 228

<212> DNA

<213> Homo sapiens

<400> 1700

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acgcttattg atctcatcct catacttggt cttgaagtc tccaccagcc cctgcatgtt 180
gccaagctcc gcctccagct tcagcttctc ctggcccaga gtctccag 228

<210> 1701

<211> 515

<212> DNA

<213> Homo sapiens

<400> 1701

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cctcagccat ggcatgcccc ctggatcagg ccattggcct cctcgtggcc atcttccaca 180
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<210> 1702

<211> 329

<212> DNA

<213> Homo sapiens

<400> 1702

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caaggctgat ggaagacttg gaccggaaca aggaccagga ggtgaacttc caggagtatg 180
tcaccttctt gggggccttg gctttgatct acaatgaagc cctcaagggc tgaaaataaa 240
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<210> 1703

<211> 1022

<212> DNA
<213> Homo sapiens

<400> 1703

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ttgagagctg  aggggttgag  gcattgagcc  aacacacaga  ttgtgcgcct  ctgtccccga  180
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gt  1022
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<210> 1704
<211> 439
<212> DNA
<213> Homo sapiens

<400> 1704

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ctatgacct  gctgaagcca  cgatcgtcgt  catgctcgtg  ggtaacaaaa  gtgacctcag  180
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catcagcctm  tgaccttgg  439
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<210> 1705
<211> 319
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<222> 224, 258, 294, 296, 304

<223> n = A,T,C or G

<400> 1705

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aaacatggtt  gatctccctt  actctcctgc  aatttatggc  ttgntccaca  catgagaaat  240
gactcacatt  tcctttgngc  agtcagcaac  agatttatgc  atttccctt  ttgntntcat  300
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cctnttatct tgacttcca

319

<210> 1706

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 207, 224, 229

<223> n = A,T,C or G

<400> 1706

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ggaacccttta aaagcttcct ccagtggaaat gccttagggg tcctccatt tctgagacag 180
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```

<210> 1707

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 160, 210, 231, 240, 241, 252, 285

<223> n = A,T,C or G

<400> 1707

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aagataagag gatgagaaca aaaagggaaa tgcataaatn tgctgctgac tgcccaaagg 180
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```

<210> 1708

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 210, 216, 441, 481

<223> n = A,T,C or G

<400> 1708

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gcaggtgcta tgggtgcgggg cgctggaaag aatgggggtt aattggccct cgcctccgct 180
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 ncgg 484

<210> 1709
 <211> 1168
 <212> DNA
 <213> Homo sapiens

<400> 1709
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<210> 1710
 <211> 424
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 286, 304, 310, 317
 <223> n = A,T,C or G

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<210> 1711
 <211> 2302

<212> DNA
<213> Homo sapiens

<400> 1711

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<210> 1712
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 329
<223> n = A,T,C or G

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<400> 1712

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<210> 1713

<211> 396

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<222> 253, 325, 330, 337, 365, 387

<223> n = A,T,C or G

<400> 1713

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<210> 1714

<211> 5791

<212> DNA

<213> Homo sapiens

<400> 1714

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<213> Homo sapiens

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<222> 343, 344, 346, 370
<223> n = A,T,C or G

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<210> 1716
<211> 2188
<212> DNA
<213> Homo sapiens

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<210> 1717

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 239, 288, 381

<223> n = A,T,C or G

<400> 1717

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 <212> DNA
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 <222> 29, 215, 242, 257
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<210> 1719
 <211> 482
 <212> DNA
 <213> Homo sapiens

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<210> 1720
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> 327, 342, 384
 <223> n = A,T,C or G

<400> 1720
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<210> 1721
 <211> 4497

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<212> DNA
<213> Homo sapiens

<400> 1721

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05520300 "033404

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<210> 1722
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 1722
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 gtctgcaagt tcaactgacta gtgcaggagg gaagtcagca gcctgtgttt ggtgtgcaac 300
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 ccccaacctg accacctcat t 381

<210> 1723
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 264, 294, 400, 443, 450, 451, 467, 477
 <223> n = A,T,C or G

<400> 1723
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 gacaggaagg tgtggaaagt ttatatcctt aatttgacta ctcttgata ttaaaatctt 180

tctattaatt aaaaagactt ttagacaacc tcttaaattg aattacacta tggaaaacag 240
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 cttttctggc tgacaatatt tattcatgaa aacatatcan ctgtctacct tttatatgca 420
 aaccaagtcc tgagggttaac tangggctgn ngcaaactaa catttangat gcaaacnttc 480
 ttggatttgt gatg 494

<210> 1724
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 414, 421, 473
 <223> n = A,T,C or G

<400> 1724
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 aaaggtagac agctgatatg ttttcatgaa taaatattgt cagccagaaa aggntgggtg 420
 naggtaatgc atatTTTTTT aagcttttgt gtatatTTTat ttttcattta gantttattg 480
 gaatggtttt caaagaac 498

<210> 1725
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 119, 147, 164, 212, 266, 362, 363, 382
 <223> n = A,T,C or G

<400> 1725
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 gnnngtaagg gcgaattctg cngatatcca t 391

<210> 1726
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

05920300.03404

<222> 215

<223> n = A,T,C or G

<400> 1726

```

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aaaaaagaac attatggtgg caaatgtgaa ttatcctttt aatattgaac attatattct 180
tttaaaatcc atccagatca aatgcaataa tttntttttt aactcaacaa ctgatgctac 240
caaacgtgga ctcaatatac ttgttaaaac gtgtaaagcg tgtctctagt cttcaaagct 300
ttcaggtgaa gagaggtgct ttttcttgat gcaaactctca aggcagagaa aatcatttta 360
aagcttataa aaagtggaca gagaaatatt aaaaacttct ctgaaatata caaatatgtg 420
taatttttaa aattgaagac ag                                     442

```

<210> 1727

<211> 2348

<212> DNA

<213> Homo sapiens

<400> 1727

```

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cctgcgattc accaaccattg gtccagacac catgcgtgtc acctgggctc ccccccatc 180
cattgattta accaacttcc tgggtgcgta ctacactgtg aaaaatgagg aagatggtgc 240
agagttgtca atttctcctt cagacaatgc agtgggtctta acaaactctcc tgcctggtac 300
agaatatgta gtgagtgtct ccagtgtcta cgaacaacat gagagcacac ctcttagagg 360
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ctcttttact gtgcaactgga ttgctcctcg agccaccatc actggctaca ggatccgcca 480
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catcacctc accaacctca ctccaggcac agagtatgtg gtcagcatcg ttgctcttaa 600
tggcagagag gaaagtccct tattgattgg ccaacaatca acagtttctg atgttccgag 660
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05920300 "073101"

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tctgacag                                     2348

```

```

<210> 1728
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 238, 251, 318, 340, 358, 366, 372, 383
<223> n = A,T,C or G

```

```

<400> 1728
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aaacgcacgt tggatggngc atcaatggca gtggaggcgn cgatgaccac aggggagntc 360
cgagcnttgt cnttcaaggt gtncaggtag atcttgtagt ctttgcctgg a 411

```

```

<210> 1729
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 182, 269, 289, 291
<223> n = A,T,C or G

```

```

<400> 1729
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aaattcctaa gcctcctggg cacagagatc attgagaatg cagtcgagtt catcctccgc 180
tncatgtcca ggagcacgta agcactgaga aaaacgttac tttttgtcca attctctggt 240
gataatgacc acacaatgac ctcatggcnt taaaatacat gagaaacana naaaaaaaa 299

```

```

<210> 1730
<211> 430
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 273, 363, 374, 390, 413
<223> n = A,T,C or G

```

```

<400> 1730
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```

05960300.073401

```

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tgntgagata ctcnngggtg cccactgcan tgctgtgggg gtccctggtaa tgnnggtctc 420
tactgggcgc                                     430

```

<210> 1731

<211> 5264

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2497

<223> n = A,T,C or G

<400> 1731

```

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acctatgtgc agaggaatta tgatctttcc ttcttaaaga ccatccagga ggtggctggg 180
tatgtcctca ttgccctcaa cacagtggag cgaattcctt tggaaaacct gcagatcatc 240
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05920300 "073101

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5264

<210> 1732

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 250, 317, 344

<223> n = A,T,C or G

<400> 1732

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acctacttca catggttggt gtgaggcttg aataagaata cacgaaaagc acttaagatt 180
agtttggggc aaaataaatg ttaacccttt agtagtgaca actgtaacca cagtttacat 240
tagagcttan tgctaccttg gacagagggg tcctgacatt ctcatattcc cagccccctg 300
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<210> 1733

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 217, 291

<223> n = A,T,C or G

<400> 1733

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tttgctgagg aaaatagagg cgaggataga gcaggcaggg gaagggaaat aagacatgga 180
gataggaggt taaagcagtt gggagtccat acacagncta cccaacttcc tgagaactct 240
tagagaggaa aaggcatcct taggcatcct tcctgtgaag attgcctatt ncgtgatcac 300
gctgagaaga tgggaact 318
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<210> 1734

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 341, 413

<223> n = A,T,C or G

<400> 1734

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gatctatgga tggctgtgtc tacagtcaca aggtaaaata ctcttcagc tgggttacaa 120
```

09920300-073401

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 gtaactaaca acacttcacc tgtgttacga actactctaa ntaatgggcc aagtcatgag 360
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 caggtagaca ctca 434

<210> 1735
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 173, 265, 295, 314, 324, 413, 414, 415
 <223> n = A,T,C or G

<400> 1735
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 gctggcaaat ctgcataaa aaagccatac tttagctaaa caaaagcttt tangctggcc 180
 cagaaagagg gaatgaacaa ttgaaaaaac atcttttatt gcctgagaaa atttaaaaag 240
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 agctttccta agtntgagtc atanggggaag gagagagggc tccttggcaa agatacaggt 360
 tttcctctct ggttccaccc ccaccatttt catttaaaaa aaaaaaaaaa aannnn 415

<210> 1736
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 168, 205, 211, 309, 393, 422
 <223> n = A,T,C or G

<400> 1736
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 ggagatggtg agatatagag tatgagcgga gattaggcca gctgtggnaa ttctggacag 180
 atcttgggtt tagctaagtt atttntttta ngcctgggtt tctgggggtg acaggggaaga 240
 taaaagagta gtttattttgc acctcttggg gaattgctta aaaatataga gatcatggct 300
 ctgtatgtna ggtggaacca ggtcaggagt atttgaaact gtccttgggt cattgtgaca 360
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 gntggagtct ctgagcaga 439

<210> 1737
 <211> 361
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 160, 162, 230, 277, 300, 322, 347

05920300 "03104

<223> n = A,T,C or G

<400> 1737

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gatcaccgct cacacggaac atcccatcac acagaacatn cnatcacttg tcacatctca 180
cccatcacac ggaacatccc gtcagccatc acatctcacc cgtcacacan aacatccctt 240
caccatcac atggaacatc ccatcaccca tcacatntta cccgtcacat ggaacatccn 300
ttcacccatc acatggaaca tncggtcadc tgctcacatg gaacatncca tcaccatca 360
c 361
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<210> 1738

<211> 3132

<212> DNA

<213> Homo sapiens

<400> 1738

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cggatcgag ctctcgcggc agtcgcctga gacttaaggt tattgcttgg ccgcggcctg 60
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cctcagacag ttgcgctggc tcagcggggc cggaacatgg ctgctgctgg tctggatcat 180
ctcaaaaatg gctacagaag aagattttgt cgaccttcca gggcacgtga cattaacaca 240
gagcaaggcc agaattgtct ggaaatctta caagactgtt ttgaagaaaa aagtcttgcc 300
aatgatttta gtacaaattc tacaaaatca gtgcctaatt caacacgcaa aataaaagac 360
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tcttcaaaga agaaagaagc ctctctacag tttgtttagt aaccaagtga agccacaaac 480
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09920300 "073101

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<210> 1739
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 1739
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 tcttgtatac cttcaactca ccatgcttaa caaaaaattg atatgtatct tgtggcctta 180
 caagatccat gagaataatc tctcttgttt ctgggt 216

<210> 1740
 <211> 3302
 <212> DNA
 <213> Homo sapiens

<400> 1740
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 accgtgtaca tcatgagcct cagctcagtg acaagggttca caatgatgct cagagttttg 180
 attatgacca tgatgccttc ttgggtgctg aagaagcaaa gacctttgat cagctgacac 240
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 aa 3302

<210> 1741
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13, 22, 237, 298
 <223> n = A,T,C or G

<400> 1741
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 agttgggaac aaaggg 316

<210> 1742
 <211> 400
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 198, 200, 203, 305, 328, 329, 356, 374
 <223> n = A,T,C or G

<400> 1742
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 gctgaattct agggaaangn ctntccgtca cccacccccg agacagacct gccaaagcttc 240
 tggctttcag attctctgcc acatgactga ggtcccatca gccctttttcc ccaatatgag 300
 aatancttgt tccagccctc cacgtgcnnc agggcatggg gatcagctgg aaaggntgct 360
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<210> 1743
 <211> 842
 <212> DNA
 <213> Homo sapiens

<400> 1743
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 acaggggaaa ggaggtctca ctgagcaccg tcccagcatc cggacaccac agcggccctt 240
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 gattcatcct gtcactggta ttcggctctg tgacagtcta ccatattatg ttacagataa 660
 tacaggaaaa acgggggttac tagtagccgc ccatagcctg caacctttgc actccactgt 720
 gcaatgctgg cctgacacgc tggggctgtt gccctgccc ccttgggtcct gccctagat 780
 acagcagttt ataccacac accgtgtctac agtgtcattc aataaagtgc acgtgcttgt 840
 ga 842

<210> 1744
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 34, 66, 71, 92, 99, 157, 171, 183, 218, 273, 290
 <223> n = A,T,C or G

<400> 1744
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09920300.073101

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aacatctggg ccctga 316

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<210> 1745
<211> 1898
<212> DNA
<213> Homo sapiens

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cattcccat agccatagcc acaggcctca gtcgattggg ccagaagggtg cccccactat 240
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tgcacagtga gcagcaggac tcgctacttc tctccacctc ctcaaacag ccagggagccc 540
tgggctaccc ccaaccaccc ccagcacagc ccagccccc acgtcctccc cgaagggtca 600
gcagtctgtc tgagtcgtca ggcctccagc agccgccccg ataatgcccc ggcactgaag 660
tcgggacaca atcagcttta accaatggat gaggggggtg gccacaggag atggggagag 720
gagtcctgaac taaacccctg gcttttgtgc acactgcata cgtttcagaa ctccctggatg 780
gtaaccatct ctggagtga gcgcttgctg cagtggaaat gatcaggaat actgaccgtg 840
tttctcttgc ctccgaggtt cttgggcaca ctctatagcc atactggaca ggaaccaggt 900
gccccgtgta ggcacgtcgt gtcggtttgc cgtcagagat ggcgcacctc gctgcacccc 960
ccgagagtac accggttgct ctagccacct gcggccccgc catctgcgct agctggcctt 1020
cacgctcttg atcgtctttc ctttgtattg gagaaggact gggtcagaga tctgttggag 1080
agagagaata aagagattat ttttcattat ttttaaatgg ttgttttgt ttaatttgc 1140
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ctcatggctt catttagaga ccacagtaac aacagcagcc caccaatcag agaagctggt 1260
tgttattaac caagctacag attcacactt tctggcctaa accctaattg gatgaggctt 1320
ttcaccccag gccatgctgg tgggtgattt ttagccctca aataaaacac tggactattt 1380
cctgtttact tcattgattg caactacaaa ggtggactca aagcaaagca caatcatgcc 1440
agccaacatt ccagaattct gctgagaact ccaagtctgt gaggggagag gttttacaag 1500
ccagacaggc ctgggggact gcagtcccca aggagaccct gccacatgct ggccctttga 1560
gtgagaatgc tgcacttttc tacatatctt catgagaata ctgagaattg gattttcctt 1620
ttcaaaatgc actttgcttt ttttgtatgt tttgttatgt tgagatgttt ctaaagaaaa 1680
gattttatgt aattataaga tgaagcgtag tgaattgtac agctgttgta ataataacct 1740
atttctatat aaaataaaat tgtatggctt atgtgtaaat tattttgtat ctgagatacc 1800
agttcctttt cccaaatata aaagtataaa agttttcttg tgtttttctg tgagtgaaga 1860
ttttgtaata aattaaccaa ttgaaaaaaa aaaaaaaa 1898

```

```

<210> 1746
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> 49, 151, 178, 180, 275
<223> n = A,T,C or G

```

<400> 1746

```

tggaatgttg gctggcatga ttgtgctttg ctttgagtcc acctttgtng ttgcaatcaa 60
tgaagtaaag aggaaatagt ccagtgtttt atttaggggc taaaaaatca ccaccaacat 120
ggcctggggg tgaaaagcct catcccatta nggtttacgc cagaaagtgt gaatctgnan 180
cttggttaat aacaaccaac ttctctgatt ggtgggctgc tgttggtact gtggcctctg 240
aatgaagcca tgagacctta ttattttttt acctn 275

```

<210> 1747

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 223, 323

<223> n = A,T,C or G

<400> 1747

```

tcccaggcgg tcccacagaa cagcagtgcc tcccgaaatt cttcactaca gacctgctac 60
cgcccttcagc atgctaattg tgcattggtg ggtggctcag agacctggca cagctctgct 120
cacctttcca acaacatcat acccagcact tcacaaaata tcatagagaa acccttttac 180
tttaaagcac acagcatttc actcttgaaa agcactaaat canttctgtg gggacaaaca 240
tttacaccat gcctgccatt catgcctgcc ttacctttat gggtttctct cacatgtttc 300
agaagtccg tccatgtttt tgnccacaaag gaacatcctt ttgacatac atagcctatt 360
aaaaaat 368

```

<210> 1748

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1748

```

aagccacctc aagtggacaa ggcacttacc aacagagatt gctgatttgc tccttaagca 60
agagattcac tgccgctaag catggctcag accaactcgt tcttcatgct gatctcctcc 120
ctgatgttcc tgtctctgag ccaaggccag gagtcccaga cagagctgcc taatccccga 180
atcagctgcc cagaaggcac caatgcctat cgctcctact gctactactt taatgaagac 240
cctgagacct gggttgatgc agatctctat tgccagaaca tgaattcagg caacctgggtg 300
tctgtgctca cccaggcgga ggggtgcctc gtggcctcac tgattaagga gagtagcact 360
gatgacagca atgtctggat tggcctccat gacccaaaaa agaaccgccc ctggcactgg 420
agtagtgggt ccctgggtct ctacaagtcc tgggacactg gatccccgag cagtgtctaat 480
gctggctact gtgcaagcct gacttcatgc tcaggattca agaaatggaa ggatgaatct 540
tgtgagaaga agttctcctt tgtttgcaag ttcaaaaact agaggaagct gaaaaatgga 600
tgtctagaac tggctctgca attactatga agtcaaaaat taaactagac tatgtctcca 660
actcagttca gaccatctcc tccctaataga gtttgcctcg ctgatcttca gtaccttcac 720
ctgtctcagt ctctagagcc ctgaaaaata aaaacaaact tattttt 767

```

<210> 1749

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

05520300.023104

<222> 317, 530, 534, 552, 571, 582, 591

<223> n = A,T,C or G

<400> 1749

```
gcccttaccg acgtcgacta tccaagatgt acgcggggga tataaagctc ctacagccac 60
ctggcctgag aagccaactc agactcagcc aacagagatt gttgatttgc ctcttaagca 120
agagattcat tgcagctcag catggctcag accagctcat acttcatgct gatctcctgc 180
ctgatgtttc tgtctcagag ccaaggccaa gagggcccaga cagagttgcc ccaggcccgg 240
atcagctgcc cagaaggcac caatgcctat cgctcctact gctactactt taatgaagac 300
cgtgagacct gggttgntgc agatctctat tgccagaaca tgaattcggg caacctgggtg 360
tctgtgctca cccaggccga ggggtgccttt gtggcctcac tgattaagga gagtggcact 420
gatgacttca atgtctggat tggcctccat gaccccaaaa agaaccgccc ctggcactgg 480
agcagtgggt ccctgggtctc ctacaagtcc tggggcattg gagccccaan cagngttaat 540
cctggctact gngtgagcct gacctcaagc ncaggattcc anaaatggaa ngatg 595
```

<210> 1750

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 204, 221, 237, 254, 259, 287, 370, 406, 411, 415, 507, 521

<223> n = A,T,C or G

<400> 1750

```
gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttccct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caanattcat ccttccattt nttgaatcct gagcatnaag 240
tcaggcgttg ccntatanc cagcattagc actgctcggg gatccantgt cccaggactt 300
gtaggagacc agggaccgac tactccagtg ccagcggcgg ttcttttttg ggtcatggag 360
gccaatccan acattgctgc catcagtgtc acgctcctta atcagngagg ncacnaacgc 420
accctccgcc tgggtgagca cagacaccag gttgcctgaa ttcattgttct ggcaatagag 480
atctagcatc aaccagggtc tcagggnctt cattaaagta ntagcagtag gagcgatagg 540
cattgg 546
```

<210> 1751

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 369, 406, 415, 433, 450, 460, 464

<223> n = A,T,C or G

<400> 1751

```
gcccttaccg acgtcgacta tncaagatgt actggagatc agcgatgcaa actcattagg 60
gaggagatgg tcttgaactg agttggagac atagtctagt ttaatttttg acttcatagt 120
aattgcaggc ccagttctag acatccattt ttacgcttcc tctagttttt gaacttgcaa 180
acaaaggaga acttcttctc acaagattca tcttccattt tcttgaatcc tgagcatgga 240
gtcaggcctt cagcagtagcc agcattagca ctgctcgggg atccagtgtc ccaggacttg 300
taggagacca gggaccact actccagtgc cagcggcggg tcttttttgg gtcattggagg 360
```

05920300 "03401

ccaatccana cattgctgtc atcagtgtc cttgtcctta atcagngagg ccacnaagca 420
ccctcccctg ggngaggaca gacaccaggn gtgcctgaan ttant 465

<210> 1752
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 22, 344, 376, 400, 407, 415, 426
<223> n = A,T,C or G

<400> 1752
gcccttaccg acgtcgacta tncaagatgt acgcggggga agccaactca gactcagcca 60
acagagattg ttgatttgcc tcttaagcaa gagattcatt gcagctcagc atggctcaga 120
ccagctcata cttcatgctg atctcctgcc tgatgtttct gtctcagagc caaggccaag 180
aggcccagac agagttgccc caggcccgga tcagctgccc agaaggcacc aatgcctatc 240
gtcctactg ctactacttt aatgaagacc gtgagacctg ggttgatgca gatctctatt 300
gccagaacat gaattcgggc aacctgggtgt ctgtgctcac ccangccgag ggtgcctttg 360
tggcctcctg attaangagg agtggcactt gatgacttctn atgtctngga ttggnctcca 420
tgaccncaaa aaga 434

<210> 1753
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 478
<223> n = A,T,C or G

<400> 1753
gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
caaaggagaa cttctttctca caagattcat cttccatttt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggaccocacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccacac attgctgtca tcagtgtctac tctccttaat cagtgaggcc acgaaggcac 420
cctccgcctg ggtgagcaca gacaccaggt tgccctgaatt catgttcttg caataganat 480
ctgcatcaac ccagggtctca gggctttcat taaagta 517

<210> 1754
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 24, 454
<223> n = A,T,C or G

05920300.03404

<400> 1754

```

gcccttaccg acgtcgacta tccnagatgt acgcggggga agaagccaac tcagactcag 60
ccaacagaga ttgttgattt gcctcttaag caagagattc attgcagctc agcatggctc 120
agaccagctc atacttcatg ctgatctcct gcctgatgtt tctgtctcag agccaaggcc 180
aagaggccca gacagagttg ccccaggccc ggatcagctg ccagagaaggc accaatgcct 240
atcgctccta ctgctactac tttaatgaag accgtgagac ctgggttgat gcagatctct 300
attgccagaa catgaattcg ggcaacctgg tgtctgtgct caccagggcc gaggggtgcct 360
ttgtggcctc actgatgaag gagagtggca ctgatgactt caatgtctgg attggcctcc 420
atgaccccaa aaagaaccgc cgctggcact ggancagtgg gtccctggtc tcctacaag 479

```

<210> 1755

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 353, 413, 469, 473

<223> n = A,T,C or G

<400> 1755

```

gcccttaccg acgtcgacta tncaagatgt acgcggggga agccaactca gactcagcca 60
acagagattg ttgatttgcc tcttaagcaa gagattcatt gcagctcagc atgggtcaga 120
ccagctcata cttcatgctg atctcctgcc tgatgtttct gtctcagagc caaggccaag 180
aggcccagac agagttgtcc caggcccgga tcagctgccc agaaggcacc aatgcctatc 240
gtcctactg ctactacttt aatgaagacc gtgagacctg ggttgatgca gatctctatt 300
gccagaacat gaattcgggc aacctgggtg ctgtgctcac ccaggccgag ggngcctttg 360
tggcctcact gattaaggag agtggcactg atgacttcaa tgtctggatt ggnctccatg 420
accccaaaaa gaaccgccgc tggcactgga gcagtgggtc cctggctcnc tanaagtact 480
ggggcattgg agccccaa

```

<210> 1756

<211> 593

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 377, 467, 469, 576

<223> n = A,T,C or G

<400> 1756

```

gcccttaccg acgtcgacta tccaagatgt acgggggacaa ggcacttacc aacagagatt 60
gctgatttgc tccttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
tcttcatgct gatctcctcc ctgatgttcc tgtctctgag ccaaggccag gagtcccaga 180
cagagctgcc taatccccga atcagctgcc cagaaggcac caatgcctat cgctcctact 240
gctactactt taatgaagac cctgagacct gggttgatgc agatctctat tgccagaaca 300
tgaattcagg caacctggtg tctgtgctca cccatgcgga ggggtgcctc gtggcctcac 360
tgattaagga gagtagnact gatgacagca atgtctggat tggcctccat gacccaaaaa 420
agaaccgccg ctggcactgg agtagtgggt ccctgggtctc ctacaantnc tgggacactg 480
gatccccgag cagtgtctaat gctggctact gtgcaagcct gacttcatgc tcaggattca 540
agaaatggaa ggatgaatct tgtgagaaga attctncttt gtttgcaagt tcc 593

```

<210> 1757

09920300 073104

<211> 123
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 23, 34, 45, 54, 75, 100
 <223> n = A,T,C or G

<400> 1757
 catcgtctgg aactgatttg ganacattgt ctantttaat ttttnacttc atantaattg 60
 caggaccagt tctanacatc catttttcaa cticctctan tttttgaact tgcaaacaaa 120
 gga 123

<210> 1758
 <211> 331
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 285, 305
 <223> n = A,T,C or G

<400> 1758
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cticcatagta 120
 attgcaggac cagttctaga catccatttt tcagcttctt ctagtttttg aacttgcaaa 180
 caaaggagaa ctctcttctca caagattcat ccttccattt ctitgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccantgtcc caggacttgt 300
 agganaccag ggacccacta ctccagtgcc a 331

<210> 1759
 <211> 642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 476, 534, 536, 569, 613, 630
 <223> n = A,T,C or G

<400> 1759
 gcccttaccg acgtcgacta tccaagatgt acgcggggga tataaagctc ctacagctac 60
 ctggcctgag aagccaactc agactcagcc aacagagatt gttgatttgc ctcttaagca 120
 agagattcat tgcagctcag catggctcag accagctcat acttcatgct gatctcctgc 180
 ctgatgtttc tgtctcagag ccaaggccaa gaggcccaga cagagttgcc ccaggcccgg 240
 atcagctgcc cagaaggcac caatgcctat cgctcctact gctactactt taatggagac 300
 cgtgagacct gggttgatgc agatctctat tgccagaaca tgaattcggg caacctggtg 360
 tctgtgctca cccaggccga ggggtgccttt gtggcctcac tgattaagga gagtggcact 420
 gatgacttca atgtctggat tggcctccat gaccccaaaa agaaccgccg ctggcnctgg 480
 agcagtgggt ccttgggtctc ctacaagtcc tggggcattg gagccccaag cagnngntaat 540
 cctggctact gtgtgagcct gacatcaanc acagggattc cagaaatgga aagatgtgcc 600
 ttgtgaagac aanaactcct ttgtctgcan gttcaaaaac ta 642

09520300 073404

<210> 1760
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 339, 438, 439
 <223> n = A,T,C or G

<400> 1760
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatTTTTga cttcatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtTTTTg aacttgcaaa 180
 caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
 aggagaccag ggaccacta ctccagtgcc agcgggggnt ctttttggg tcatggaggc 360
 caatccaaac attgctgtca tcagtgtctac tctccttaat caaggagggg cacgaaggca 420
 ccctccgcct gggtgagnnc agacaccaag ttgcctgaat tcatgttctg g 471

<210> 1761
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 25, 190, 415, 422, 444
 <223> n = A,T,C or G

<400> 1761
 gcccttaccg acgtcgacta tccangatgt acgcggggga gaagccaact cagactcagc 60
 caacagagat tgttgatttg cctcttaagc aagagattca ttgcagctca gcatggctca 120
 gaccagctca tacttcatgc tgatctcctg cctgatgttt ctgtctcaga gccaggcca 180
 agaggcccan acagagttgc cccaggcccg gatcagctgc ccagaaggca ccaatgccta 240
 tcgctcctac tgctactact ttaatgaaga ccgtgagacc tgggttgatg cagatctcta 300
 ttgccagaac atgaattcgg gcaacctggt gtctgtgctc acccacgccg aggggtgcctt 360
 tgtggcctca ctgattaagg agagaggcac tgatgacttc aatgtctgga ttggnctcca 420
 tnaccccaaa aagaaccgcc gctngcactg gagcagtggg t 461

<210> 1762
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 336, 372
 <223> n = A,T,C or G

<400> 1762
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatTTTTga cttcatagta 120

US920300 "03404

<400> 1765

```

gcccttaccg acgtcgacta tccaagatgt acggggacaa ggcacttacc aacagagatt 60
gctgatttgc tccttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
tcttcatgct gatctcctcc ctgatgttcc tgtctctgag ccaaggccag gagtcccaga 180
cagagctgcc taatccccga atcanctgcc cagaaggcac caatgcctat cgctcctact 240
gctactactt taatgaagac cctgagacct ggggttgatgc agatctctat tgccagaaca 300
tgaattcagg caacctgggtg tctgtgctca cccatgcgga ggggtgccttc gtggcctcac 360
tgattaagga gagtagcact natgacanca atgtctggat tggcct 406

```

<210> 1766

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 368, 427, 448

<223> n = A,T,C or G

<400> 1766

```

gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatTTTTga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggaccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccanac attgctgtca tcagtgttac tctccttaat cagtgaggcc acgaaggcac 420
cctccgncgt ggtgagcaca gacaccangg tgctgaatt catgttctgg caatagagat 480
ctgcatcacc cacg 494

```

<210> 1767

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 409, 494, 515, 518, 527, 558, 559

<223> n = A,T,C or G

<400> 1767

```

gcccttaccg acgtcgacta tncaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatTTTTga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg gacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggaccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccagac attgctgtca tcagtgttac tctccttaat cagtgaggnc acgaaggcac 420
cctccgcctg ggtgagcaca gacaccaggt tgctgaatt catgttctgg caatagagat 480
ctgcatcaac ccangtctca gggcttccat taaantanta gcagtangag cgataggcat 540
tggtgccttc tgggcagnnt gattccggg 569

```

<210> 1768

05520300.073101

<211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 347
 <223> n = A,T,C or G

<400> 1768
 gcccttaccg acgtcgacta tccaagatgt accgggggat ataaagctcc cacagccacc 60
 tggcctgaga agccaactca gactcagcca acagagattg ttgatttgcc tcttaagcaa 120
 gagattcatt gcagctcagc atggctcaga ccagctcata ctccatgctg atctcctgcc 180
 tgatgtttct gtctcagagc caaggccaag aggccagac agagttgccc caggcccgga 240
 tcagctgccc agaaggcacc aatgcctatc gctcctactg ctactacttt aatgaagacc 300
 gtgagacctg gggtgatgca gatctctatt gccagaacat gaattcnggc aacctggtgt 360
 ctgtgctcac ccacgccgag ggtgcctttg tggctcactg attaaggaga g 411

<210> 1769
 <211> 198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26, 93, 106, 175
 <223> n = A,T,C or G

<400> 1769
 gcccttaccg acgtcgacta tccaanatgt acgggggacaa ggcacttacc aacagagatt 60
 gctgatttgc tccttaagca agagattcac tgnccgtaag catggnccag accaactcgt 120
 tcttcattgt gatctcccc ctgatgttcc tgtctctgag ccaaggccag gagtnccaga 180
 cagagctgcc taatcccc 198

<210> 1770
 <211> 406
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 241, 313, 342, 360, 379, 390
 <223> n = A,T,C or G

<400> 1770
 atgtcctgaa gatcagcgat gcaaactcat tagggaggag atggtctgaa ctgagttgga 60
 gacatagtct agtttaattt ttgacttcat agtaattgca ggaccagttc tagacatcca 120
 tttttcagct tcctctagtt ttggaacttg caaacaagg agaacttctt ctcaacagat 180
 tcatccttcc atttcttgaa tcctgagcat gaagtcaggc ttgcacagta gccagcatta 240
 nactgctcg gggatccagt gtcccaggac ttgtaggaga ccagggaccc actactccag 300
 tgccagcggc ggntcttttt tgggtcatgg aggccaatcc anacattgct gtcacagan 360
 gctactctcc ttaatcagng aggccacgan ggcacctcc gcctgg 406

<210> 1771

05920300.07404

<211> 561
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 348, 353, 397, 469, 471, 504, 536
 <223> n = A,T,C or G

<400> 1771
 gcccttaccg acgtcgacta tccaagatgt acgcggggac aaggcactta ccaacagaga 60
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 gttcttcatg ctgatctcct cctgatgtt cctgtctctg agccaaggcc aggagtccca 180
 gacagagctg cctaattccc gaatcagctg cccagaaggc accaatgcct atcgctccta 240
 ctgctactac tttaatgaag accctgagac ctgggttgat gcagatctct attgccagaa 300
 catgaattca ggcaacctgg tgtctgtgct caccagggcg gaggggtgnt tcntggcctc 360
 actgattaag gagagtagcg ctgatgacag caatgtntgg attggcctcc atgacccaaa 420
 aaagaaccgc cgctggcact ggagtagtgg gtccctgggc tcctacaant nctgggacac 480
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 caagaaatgg aaaggatgaa t 561

<210> 1772
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 204, 282, 333, 378
 <223> n = A,T,C or G

<400> 1772
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
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 tcaggcttgc acagtagcca gcattagcac tgctcgggga tncagtgtcc caggacttgt 300
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 caatccacac attgctgnca tcagtgtctac t 391

<210> 1773
 <211> 563
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 396, 405, 468, 469, 499, 535, 552
 <223> n = A,T,C or G

<400> 1773
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 ttcttcatgc tgatctcctc cctgatgttc ctgtctctga gccaaaggcca ggagtcccg 180

```

acagagctgc ctaatccccg aatcagctgc ccagaaggca ccaatgccta tcgctcctac 240
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aagaaccgcc gctggcactg gagtagtggg tccctggtct cctacaanna ctgggacact 480
ggatccccga gcagtgtctna tgctggctac tgtgcaagcc tgacttcacg ctcangattc 540
aagaaatgga angatgaatc ttg                                     563

```

<210> 1774

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 379, 448, 453, 494, 496

<223> n = A,T,C or G

<400> 1774

```

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attgcaggac cagttctaga cgtccatttt tcagcttcct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggacccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccaaac attgctgtna tcagtgtctac tctccttaat cagttagacc acgaaggcac 420
cctccgcctg ggtgagcaca gacaccangt tgnctgaatt catgttctgg caatagagat 480
ctgcatcaac ccangnctca gggctctt                                     507

```

<210> 1775

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2, 367

<223> n = A,T,C or G

<400> 1775

```

tnaggtgaca ctatagaata ctcaagctat gcatcaagct tggtagcgag ctcggatcca 60
ctagtaacgg ccgccagtgt gctggaattc gcccttaccg acgtcgacta tccaagatgt 120
tgctgtcatc agtgctactc tccttaatca gtgaggccac gaaggcacc tccgcctggg 180
tgagcacaga caccagggtt cctgaattca tgttctggca atagagatct gcatcaacca 240
ggtctcaggg tcttcattaa agtagtagca gtaggagcga taggcattgg tgccttctgg 300
gcagctgatt cggggattag gcagctctgt ctgggactcc tggccttggc tcagagacag 360
gaacatnagg gaggagatca gcatgaagaa cgagttgggc tgagccatgc ttag 414

```

<210> 1776

<211> 556

<212> DNA

<213> Homo sapiens

<220>

05920300 "03404

<221> misc_feature
 <222> 409, 413, 476, 478, 504, 525, 527
 <223> n = A,T,C or G

<400> 1776
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 attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
 caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
 aggagaccag ggacccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
 caatccacac attgctgtca tcagtgtctac tctccttaat cagtgaggnc acnaaggcac 420
 cctccgcctg ggtgagcaca gacaccaggt tgctgaatt catgttctgg caatananat 480
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 tgggtgccttc tgggca 556

<210> 1777
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 22, 35, 172, 181, 201, 205, 390, 396, 411, 470, 527, 537,
 544, 567, 577, 578
 <223> n = A,T,C or G

<400> 1777
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 gttcttcatg ctgatctcct cctgatgtt cctgtctctg agccaaggcc angagtcca 180
 nacagagctg cctaattccc naatnagctg ccagaaggc accaatgcct atcgctccta 240
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 catgaattca ggcaacctgg tgtctgtgct caccagggcg gaggggtgcct tcgtggcctc 360
 actgattaag gagagtagca ctgatgacan caatgnctgg attggcctcc ntgacccaaa 420
 aaagaaccgc cgctggcact ggagtagtgg gtccctggtc tcctacaagn cctgggacac 480
 tggatccccg agcagttgct aatgctggct actgtgcaag cctgacntca tgctcangat 540
 tcangaaatg gaaaggatga atcttngnag aagaagnnct ccttttggtg caag 594

<210> 1778
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 22, 335, 467, 469, 498, 546, 572, 577, 585
 <223> n = A,T,C or G

<400> 1778
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 tcttcatgct gatctcctcc ctgatgttcc tgtctctgag ccaaggccag gagtcccaga 180
 cagagctgcc taatccccga atcagctgcc cagaaggcac caatgcctat cgctcctact 240

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 agaaccgccc ctggcactgg agtagtgggt ccctgggtctc ctacaantnc tgggacactg 480
 gatccccgag cagtgcctnat gctggctact gtgcaagcct gacttcatgc tcaggattca 540
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<210> 1779
 <211> 72
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 44
 <223> n = A,T,C or G

<400> 1779
 gcccttaccg acgtcgacta tccaagatgt acgggggatta ggcngctctg tctgggactc 60
 ctaaacatgg ct 72

<210> 1780
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 368, 379, 382, 409, 416, 450
 <223> n = A,T,C or G

<400> 1780
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatTTTTga cttcatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtTTTTg aacttgcaaa 180
 caaaggagaa cttcttctca caagattcat ctttccattt cttgaatcct gagcatgaag 240
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 aggagaccag ggaccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
 caatccanac attgctgtna tnagtgtac tctccttaat cagtgaggnc acgaangcac 420
 cctccgcctg ggtgagcaca gacaccaagn tgcttgaatt catgttcttg caataga 477

<210> 1781
 <211> 561
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 353, 406, 447, 469, 470, 502, 517, 518, 534, 540, 559
 <223> n = A,T,C or G

<400> 1781
 gcccttaccg acgtcgacta tccaagatgt acgcggggac aaggcactta ccaacagaga 60
 ttgctgattt gctccttaag caagagattc actgccgcta agcatggctc agaccaactc 120

09520300-073404

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ggatcccagag cagtgtctaat gntggctact gtgcaannct gacttattgc tcangattcn 540
agaaatggaa ggatgaatnt t 561

<210> 1782

<211> 162

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 15, 136

<223> n = A,T,C or G

<400> 1782

gcccttanccg acgtnngacta tccaagatgt acgggggacaa ggcaacttacc aacagagatt 60
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tcttcatgct gatctnctcc ctgatgttcc tgtctctgag cc 162

<210> 1783

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 27, 43, 65, 80, 97, 104, 111, 132

<223> n = A,T,C or G

<400> 1783

gcccttaccg acgtnngacta tccaagngta ctgaagatca gcnatgcaaa ctcattaggg 60
agganatggc ctgaactgan ctggagacat agcctanatt aatntttgac ntcattagga 120
ttgcaggacc anttctagac atg 143

<210> 1784

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 234, 245, 346, 348, 375, 384, 414, 424, 435

<223> n = A,T,C or G

<400> 1784

gcccttaccg acgtnngacta tccaagatgt acgcggggga tataaagctc ctacagctac 60
ctggcctgag aagccaactc agactcagcc aacagagatt gttgatttgc ctcttaagca 120
agagattcat tgcagctcag catggctcag accagctcat acttcatgct gatctcctgc 180
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09920300.073104

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tctgtgctca cccangccga gggngccttt gtggcctcac tgattaagga gagnggcact 420
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```

<210> 1785

<211> 509

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 240, 302, 368, 410, 442, 476

<223> n = A,T,C or G

<400> 1785

```

gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgggtgcaa actcattagg 60
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```

<210> 1786

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 454

<223> n = A,T,C or G

<400> 1786

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<210> 1787

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

05920300.073104

<222> 15, 336, 339, 349

<223> n = A,T,C or G

<400> 1787

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caatccagac attgctgtca tcagtgttac tctccttaat cagtggaggcc acgaagcacc 420
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```

<210> 1788

<211> 2333

<212> DNA

<213> Homo sapiens

<400> 1788

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```

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ccctggaggg tcccggtttg tcagttcttg gtgctctgtg ttcccagagg caggcggagg 2160
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ctccaaggga ccctttgcct ttcttctgcc ctttcctagg cccaggcctg ggtttgact 2280
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```

<210> 1789

<211> 551

<212> PRT

<213> Homo sapiens

<400> 1789

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Ser Arg Ala Cys Ser Val Pro Pro Ala Ala Pro Ala Gln Thr Pro Arg
35     40     45
Pro Gln Val Ser Ala Pro Ala Trp Gly Pro Gly Arg Ala Ala Arg Gly
50     55     60
Ser Gly Arg Met Glu Arg Arg Met Lys Ala Gly Tyr Leu Asp Gln Gln
65     70     75     80
Val Pro Tyr Thr Phe Ser Ser Lys Ser Pro Gly Asn Gly Ser Leu Arg
85     90     95
Glu Ala Leu Ile Gly Pro Leu Gly Lys Leu Met Asp Pro Gly Ser Leu
100    105    110
Pro Pro Leu Asp Ser Glu Asp Leu Phe Gln Asp Leu Ser His Phe Gln
115    120    125
Glu Thr Trp Leu Ala Glu Ala Gln Val Pro Asp Ser Asp Glu Gln Phe
130    135    140
Val Pro Asp Phe His Ser Glu Asn Leu Ala Phe His Ser Pro Thr Thr
145    150    155    160
Arg Ile Lys Lys Glu Pro Gln Ser Pro Arg Thr Asp Pro Ala Leu Ser
165    170    175
Cys Ser Arg Lys Pro Pro Leu Pro Tyr His His Gly Glu Gln Cys Leu
180    185    190
Tyr Ser Ser Ala Tyr Asp Pro Pro Arg Gln Ile Ala Ile Lys Ser Pro
195    200    205
Ala Pro Gly Ala Leu Gly Gln Ser Pro Leu Gln Pro Phe Pro Arg Ala
210    215    220
Glu Gln Arg Asn Phe Leu Arg Ser Ser Gly Thr Ser Gln Pro His Pro
225    230    235    240
Gly His Gly Tyr Leu Gly Glu His Ser Ser Val Phe Gln Gln Pro Leu
245    250    255
Asp Ile Cys His Ser Phe Thr Ser Gln Gly Gly Gly Arg Glu Pro Leu
260    265    270
Pro Ala Pro Tyr Gln His Gln Leu Ser Glu Pro Cys Pro Pro Tyr Pro
275    280    285
Gln Gln Ser Phe Lys Gln Glu Tyr His Asp Pro Leu Tyr Glu Gln Ala
290    295    300
Gly Gln Pro Ala Val Asp Gln Gly Gly Val Asn Gly His Arg Tyr Pro
305    310    315    320
Gly Ala Gly Val Val Ile Lys Gln Glu Gln Thr Asp Phe Ala Tyr Asp
325    330    335
Ser Asp Val Thr Gly Cys Ala Ser Met Tyr Leu His Thr Glu Gly Phe

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[illegible]